GOVERNMENT OF ANDHRA PRADESH
ABSTRACT

Animal Husbandry, Dairy Development & Fisheries Department – Permission to call for tenders through e-Procurement for selection of agencies for supply of Veterinary and Artificial Insemination Equipment, Veterinary Diagnostic and Laboratory needs and Miscellaneous items for a period of (2) years (2024-25 & 2025-26) from the date of acceptance of the tenders or till the finalization of new tenders and enter into agreement with the qualified firms for a period of two (2) years as per the terms and conditions laid in RFP - Approval of .tender document and list of items along with specifications and Tender Evaluation Committee –Accorded – Orders – Issued.

ANIMAL HUSBANDRY, DAIRY DEVELOPMENT & FISHERIES (AH.III) DEPARTMENT

G.O.Rt.No.86 **Dated:15.03.2024**

Read the following:

1. Government Memo No 1017422/AH.I/A3/2019, dated 09.12.2019
2. G.O.Rt.No.91 AHDD&F (AH.I) Department, dt:08.04.2021.
3. Government Memo No.2049119/AH.III/A1/2023, dated 01.07.2023,
4. From the Director, AH, Lr.roc.No.AHF02-TP0mSUP/1/2023-H-TP-DAH, Dt.09.02.2024.

*****

ORDER:-

In the circumstances reported by the Director, Animal Husbandry, A.P.. Vijayawada in the reference fourth read above, Government after careful examination of the matter, hereby accord permission to call for tenders through e-Procurement for selection of agencies for supply of Veterinary and Artificial Insemination Equipment, Veterinary Diagnostic and Laboratory needs and Miscellaneous items for a period of (2) years (2024-25 & 2025-26) form the date of acceptance of the tenders or till the finalization of new tenders and enter into agreement with the qualified firms for a period of two (2) years as per the terms and conditions laid in RFP.

2. Government also hereby approve the tender document and list of items along with specifications and the same are appended to this order.

3. Government also hereby approve Tender Evaluation Committee as below to evaluate the bidder's eligibility during technical bid qualification and quality the bidders who have met the requirements pertaining to eligibility criteria of the tender document.

1	Director of Animal Husbandry	Chairman
2.	DS/JS/Addl. Secretary, AHDD&F Dept., GoAP	Member
3.	CEO, Andhra Pradesh Livestock Development Agency, Guntur	Member
4.	Asst.Professor-Surgery & Radiology, CVSc, Gannnavaram	Member
5.	Asst.Professor, Animal Reproduction, CVSc, Gannavaram	Mamber
6.	Rrepresentative from Drug Controller Administration	Member
7.	Representative from Industries Department	Member
8.	Representative from Sales Tax Department	Member

9.	Joint Director (Technical), O.o, DAH, Vijayawada	Member
10.	Joint Director, VBRI, Vijayawada	Member
11.	Joint Director, SSVH, Vijayawada	Member
12.	Additional Director (Health),O/o. DAH, Vijayawada	Member-Convener

4. The Director of Animal Husbandry, A.P., Vijayawada shall take further necessary action, accordingly in the matter.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

GOPAL KRISHNA DWIVEDI
SPECIAL CHIEF SECRETARY TO GOVERNMENT (FAC)

To
The Director, Animal Husbandry, A.P..Vijayawada.
Copy to
OSD to Hon'ble Minister (AHDD&F)
P.S.to Special Chief Secretary to Govt. (FAC)
AHDD&F
SC(Computer No.2049119)

//FORWARDED : : BY ORDER//

SECTION OFFICER

Annexure to G.O.Rt.No 86, AHDD&F (AH.III) Dept., dated 15.03.2024

TENDER TERMS AND CONDITIONS FOR SUPPLY OF VETERINARY AND ARTIFICIAL INSEMINATION EQUIPMENT & VETERINARY DIAGNOSTIC AND LABORATORY NEEDS AND MISCELLANEOUS ITEMS TO THE ANIMAL HUSBANDRY DEPARTMENT, GOVERNMENT OF ANDHRA PRADESH FOR 2024-25 AND 2025-26

1.0 Tenders are invited through on-line up to --/02 **/2024 5.00 P.M** by the Director of Animal Husbandry Department, Government of Andhra Pradesh, Vijayawada to identify competent and qualified suppliers for supply of Veterinary and Artificial Insemination Equipment and Veterinary Diagnostic and Laboratory Needs and Miscellaneous Items as listed in the **Annexure** as enclosed, for a period of Two years from the date of entering in to the agreement of the tenderer and to the extended period on mutual consent of both the parties subject to satisfactory performance of the tenderer.

It is mandatory for all the interested bidders to log on to e-Procurement web site through Secure mode and submit their bids using digital certificates (Signing certificate – Single key pair) obtained from Andhra Pradesh Technology Services Ltd. [APTS – Sub CA] in compliance to Chapter III of IT Act 2000. The details and procedure for obtaining digital certificates is given at **www.apeprocurement.gov.in** or contact the helpdesk of the site or visit www.apts.gov.in.

1.1 ELIGIBILITY TO PARTICIPATE IN TENDERS

- **Original Manufacturers / Authorized Dealers / Authorized Stockist / Authorized Distributors / Direct Importers** are eligible to participate and shall have a minimum Three years of marketing experience.
- The Tenderer for all Indian Make items shall have minimum of Three years of experience in the relevant fields with Annual Turnover of **Rs.1.50 Crore** and for MSME/SSI units Annual Turnover of **Rs.50.00 lakh** for the year 2020-21, 2021-22 and 2022-23

- For **Imported** equipment / items manufacturing units or Direct Importers holding valid import license whose annual Turnover is at least **Rs.2.0 Crore** are eligible to participate in the Tenders for the Year 2020-21, 2021-22 and 2022-23

- **Authorized Dealers / Authorized Stockist / Authorized Distributors / Direct Importers shall have a minimum of Three years Marketing Experience in the relevant field.**

1.2 Tender **processing fee of Rs. 25,000/-**. (Rupees Twenty Five Thousand Only (Non refundable) in the form of Demand Draft drawn in favour of The Director, Animal Husbandry, A.P, Vijayawada shall be enclosed in original along with hard copies of tender documents. However, a scanned copy is to be uploaded along with other documents.

1.3 The Director of Animal Husbandry, A.P., Vijayawada reserves the right to reject the tender of blacklisted companies and companies whose past performance with the Department of Animal Husbandry and also with any other States in India was unsatisfactory due to delayed
/ erratic supplies / noncompliance of the indents placed by the indenting authority.

2.0 Submission of the Tender Forms Through Online

2.1 Tenders have to be submitted ONLINE in two parts in the prescribed proforma i.e. Technical Bid (Part I) and Financial Bid (Part II) Financial Bids of those Tenders who qualify in Technical Bid will only be considered for finalization of Rate Contract.

2.2 The Tenderer may please note that all the columns in the Technical Bid shall be filled in meticulously with precision with documentary evidence wherever necessary.

2.3 All the required documents / enclosures have to be uploaded and attached along with Technical Bid Part I of the Tender only. Eligibility for Financial Bid Part II of the Tender will depend on the outcome of documents uploaded / electronically attached to Technical Bid.

2.4 The Financial Bids of those firms which are technically qualified will be opened online.

2.5 The Financial Bid shall consist of only the details of rates offered.

3.0 Scheduled Dates for e-Procurement Tenders

1)	Tender document online opening date	28/02/2024at: 11:00 AM
2)	Pre-bid Conference	04/03/2024 at: 11:AM
3)	Pre-bid clarifications issue date	05/03/2024 at: 5:00 PM
4)	Tender document online closing date	20/03/2024 at: 3:00 PM
5)	Bid- Submission Online closing date	20/03/2024 at: 5:00 PM
6)	Submission of all the uploaded documents (Hard & Soft Copies)at Directorate of Animal Husbandry, NTR SSVH Campus, Labbipeta, Vijayawada, A.P	21/03/2024 up to: 5:00 PM
7)	Technical Bid online opening date	23/03/2024 at: 11:00 AM
8)	Financial Bid Online opening date	28/03/2024 at:11.00 AM

3.1 The dates scheduled for RECEIPT and OPENING of tenders are fixed and will not be changed under any circumstances. However, the Director of Animal Husbandry reserves the right for postponement of the date of opening of Technical bids or date of opening of financial bids in the event of any unforeseen reasons.

3.2 If for any unforeseen reasons, the last date for submission of tenders and opening of Tenders happens to be a Public Holiday, the notified dates automatically get postponed to the next working day.

3.3 The Director of Animal Husbandry, A.P., Vijayawada is not Responsible for non-receipt of tenders or late uploading of tenders on online for any reason whatsoever.

3.4 Failure to fill and sign the declaration form and check list and other documents shall make the tender invalid.

4.0 Documents to be electronically attached

4.1 All the required documents shall be arranged in the serial order. ***Serial Numbers should be indicated on the right side top of the***

corner and after that only upload to the e Procurement website i.e. www.apeprocurement.gov. in

4.2 All the participating bidders should upload the following documents electronically on e- procurement platform and the same shall be considered for evaluation purpose.

Sl.No	Name of the Document	Yes/No	Page Number
1	Check List Duly Signed		
2	Demand Draft for Rs.25,000/- towards processing fee		
3	**Notarized** Affidavit Form Duly Signed **Annexure I**		
4	Valid Manufacturing License / Registration certificate from concerned competent authority		
5	Manufacturers Authorization Form, wherever required in **Annexure II**		
6	Goods and Services Tax Registration Certificate		
7	Income Tax returns for 2020-21, 2021-22 and 2022-23		
8	Valid GMP / WHO-GMP / BIS / ISI / ISO / US / CE Certificate		
9	Earnest Money Deposit		
10	Documentary evidence in support of exemption of EMD issued by APSSIDC/MSME/NSIC if applicable		
11	Latest Non-Conviction Certificate from competent authority for last 3 years, where ever applicable		
12	Annual Turnover Assessment order / Certificate for 2020-21, 2021-22 and 2022-23 Certified by Statutory Auditor / Chartered Accountant duly filled in **Annexure III**		
13	GST / Sales Tax Clearance Certificate for 2020-21, 2021-22 and 2022-23 certified by Commercial Tax Officer / certified charted accountant along with supporting documents of payment particulars / GST filed returns and duly filled in **Annexure IV**		
14	Copies of Audited Balance Sheet and Profit and loss Account for last Three years i.e. 2020-21, 2021-22 and 2022-23 duly certified by the Auditors		

15	Product Market Standing Certificate enclose 2 invoices of different months of that particular year for 2020-21, 2021-22 and 2022-23 along with **Annexure V**		
16	Product Market Standing Certificate issued by Drug Control Authority, where ever applicable		
17	Product wise Performance Certificate for 2020-21, 2021-22 and 2022-23 issued by the Drug Control Authority concerned, where ever applicable.		
18	In case of costly equipment Satisfactory Performance Certificate by the respective client / buyer **(Annexure VI)**		
19	Statement of M.R.P and applicable GST etc. for the quoted products in **Annexure VII**		
20	**Notarized** affidavit Declaration by the Tenderer that the firm was neither black listed nor suspension of Items during the last five years and till date in **Annexure VIII**		
21	Declaration form on Price for the quoted Products in **Annexure IX**		
22	Sample Submission Declaration along with Brochures / Catalogues / Leaflets duly signed in **Annexure X**		
23	**Notarized** affidavit Declaration in terms of G.O.Ms.No.352 in **Annexure XI**		

4.3 The Tenderers are requested to submit the following physically for verification on or before : **/03 /2024 up to 5.00 P.M.**

- Check List of all the documents uploaded
- Products catalogue or Brochure or Literature for quoted each equipment/item should be uploaded as well as also be submitted in physical form along with samples.

<u>Note</u> The hard copy submission is only for cross verification of the uploaded documents and submission of samples is must.

4.4 All the enclosed documents shall be in English, Hindi or Telugu. ***If Any Document is Produced in any Language Other than English or Hindi or Telugu, a True Translation of copies of Such documents in English Shall be enclosed duly attested by a Gazetted Officer***. Failure to submit English translation of such documents shall make

tender invalid. All Originals shall be presented at the time of scrutiny for verification.

4.5 Copies of every document produced by the tenderer should be clear and legible otherwise it will not be considered.

4.6 All Xerox copies of documents enclosed shall be duly attested by a Gazetted Officer under his name and official seal.

4.7 Deposition of samples along with Brochures and declaration of sample submission is compulsory and should be submitted ***on or before*** **/ 03/2024 up to 5.00 P.M.**

5.0 Transaction fee

All the participating bidders should pay a Transaction fee of @ 0.03 percent of quoted value with a cap of Rs.10000/- + Service tax@10.3% as transaction fee payable to M/s. Vupadhi Technologies, by using Credit card (Any MASTER / VISA Card) issued by any bank or through net banking accounts with ICICI, UTI or HDFC Banks as per G.O.Ms.No.13 IT and C Dept. Dt.07.05.2006 with effect from 02.02.2007.

6.0 Earnest Money Deposit (EMD)

6.1 Earnest Money Deposit of **Rs. 2,00,000/- (**Rupees Two lakh only) in the form of Online Payment / Demand Draft drawn on any scheduled bank in favour of the Director of Animal Husbandry, Payable at Vijayawada and this E.M.D. is refundable to the Tenderers. The EMD of unsuccessful tenderer will be returned. The E.M.D in respect of successful tenderer will be retained with the purchaser until the finalization of Agreement.

6.2 However Small Scale Industrial Units Registered with the Government of Andhra Pradesh (APSSIDC) and the National Small Industries Corporation (NSIC) New Delhi established in the State of A.P or the firms with specific exemption orders issued by any competent authority of Government of Andhra Pradesh or Government of India are exempted from paying EMD.

6.3 The onus of proving that a bidder is exempted from depositing earnest money will be on the Firm/Company. Valid Exemption Certificate issued by competent authority for claiming exemption of EMD, Acknowledgement thereof & Declaration of Product, Plant & Machinery Investment issued by APSSIDC or NSIC.

6.4 If the successful tenderer fails to enter into agreement on the Non-judicial stamp paper worth Rs.100/- (Rupees. one hundred only) within 10 days of intimation from Director of Animal

Husbandry and fails to furnish security performance deposit, the EMD will be forfeited.

6.5 Tenders received without Earnest Money Deposit will be disqualified.

6.6 Bank Guarantee, Cheques, Term Deposits or Fixed Deposits etc., will not be accepted towards Earnest Money Deposit.

6.7 The products permitted by S.S.I. Registration Authority will only be considered for manufacturing / Repacking aspect only. If any firm quotes products other than those covered under S.S.I Registration, EMD shall accompany the tender. Failure to enclose EMD for those products or items not covered under S.S.I. Certificate invalid for consideration.

6.8 Earnest Money of another tender deposited with this department during any period shall not be considered for this tender.

7.0 Performance Security Deposit:

7.1 All the successful bidders including SSI/MSME units should furnish the Security Deposit @ 2.5 percent of the contract value for each product. The Security Deposit shall be in the form of Bank Guarantee / Demand Draft from any Nationalized Bank drawn in favor of the Director of Animal Husbandry, A.P. and payable at Vijayawada.

7.2 The Security Deposit and the agreement will have to be submitted within 10 days from the date of communication of tentative products approval list / issue of LoA.

7.3 The Security deposit furnished by such tenderer will be returned upon complete fulfillment of the tender period or the extended period if any to the satisfaction of the Director of Animal Husbandry, A.P, Vijayawada.

7.4 In the case of successful tenderer, The Earnest money deposit may, at the discretion of the Director of Animal Husbandry be adjusted towards the security deposit, if desired by the tenderer.

8.0 Agreement:

8.1 Every successful tenderer on intimation by this office shall execute an agreement on Rs.100/- (Rupees one Hundred only) non-judicial stamp paper in the prescribed format, which will be supplied along with the list of items tentatively approved. Agreement should be typed only on one side of stamp paper duly signed by the tenderer on each page.

8.2 In the event of failure to execute agreement in prescribed format within 10 days by the successful tenderer along with the

Security deposit as indicated in **Para 7.0,** the EMD of such tenderer will be forfeited and such defaulters will forego the right to participate in future tenders for a minimum period of 3 years.

8.3 A successful tenderer whose EMD was exempted fails to execute agreement along with Security Deposit, such firm will not be permitted to participate in the departmental tenders for next 5 years.

9.0 GST / Sales Tax Clearance Certificate:

Attested Photo Copy of latest GST / Sales Tax Clearance Certificate and Sales Tax payment details obtained from the competent sales tax authority of the area concerned or GST returns filed by the bidder for Three years 2020-21, 2021-22 and 2022-23 shall be attached. Certificates older than that shall not be considered. In case of Non availability of the same a duly audited certificate issued by a certified charted accountant should be submitted. Those not liable for Sales Tax/ GST payment under relevant rules should produce a certificate to that effect from the competent authority.

10.0 Valid Manufacturing License / Import License /Registration Certificate from concerned competent authority

10.0 Attested Photocopy of the Latest Manufacturing License in case of Manufacturers and Authorization letters from the Manufacturers in case of Stockist/Distributors/Dealers which is in vogue and issued for the purpose of this tender shall be enclosed. If the firm has applied for renewal of license necessary authenticated proof from the concerned Licensing Authority shall be furnished. Licenses issued for test and Analysis will not be considered. The Items / Equipment quoted by the tenderer shall be underlined with **Red Ink**. The License number and date should also be underlined with **Red Ink.** The abstract of the Items / Equipment quoted should be enclosed. The Manufacturing License should clearly indicate a minimum of Three years of manufacturing standing for every product quoted. Items without the proof of Three years of manufacturing license shall be summarily rejected.

10.1 Items which are to be imported and supplied, the authorization letter from the Actual / Original Manufacturer issued in favour of participating firm shall be enclosed. In case of Direct Importers, valid Import License for actual importing the said items for the last Three years should be **electronically** attached.

10.2 The tenders received without proper license authenticated list of items covered by license and authorization letters from actual /

original Indian / Foreign manufacturers are liable for rejection without any further notice.

10.3 Tenderers should enclose documentary evidence of having manufactured / imported and marketed the Item / Equipment for Three years.

11.0 Product Market Standing certificate supported by Tax invoices and Market Standing certificate from Drug Control Authority where ever applicable.

11.1 Every Item / Surgical / Consumables / Equipment quoted should have been in the Indian market continuously during last Three years. Two (2) Tax Invoices shall attach showing supply of items / equipment of that particular year by **Manufacturers or Dealers / Distributors / Stockiest or Invoices of the Manufacturers submitted by the Dealers / Distributors / Stockiest** to different Agencies / Organizations covering 2020-21, 2021-22 and 2022-23 in support of trading of the product. **Annexure V**

11.2 The Market Standing certificate issued by concerned Drug Control Authority should also be submitted for 2020-21, 2021-22 and 2022-23, where ever applicable.

11.3 Equipment / Items without the proof of Three years market standing shall be summarily rejected. In the event of any doubt in this regard the Director of Animal Husbandry reserves the right to cross verify the same from the market or any concerned channel and decision of the Director of Animal Husbandry shall be final. Even after finalization of the tenders if it comes to the notice of the department that any product approved does not actually been there in the Indian market for a minimum period of 3 years, such products will be deleted from the approved list besides debarring the tenderer for a period of Three years from participation in tenders and initiating criminal action for such false claims.

12.0 Non-Conviction Certificate latest

Tenderer should furnish Original Non-Conviction Certificate issued by the concerned Drug Control Administration to the effect that the Manufacturer is not indulging in any unethical manufacturing practices and the license is not suspended any time for the last three years and that the firm was not prosecuted any time during the last three years.

In case of equipment other than drugs, self declaration by the manufacturer shall be furnished.

This non-conviction certificate should be of latest one issued on or after 01-04-2023 at the time of submission of tender and should cover 2020-21, 2021-22 & 2022-23.

13.0 Performance Certificate in Original

Tenderer should also furnish product wise performance certificate for the last 3 years 2020-21, 2021-22 and 2022-23 issued by the Drug Control Authority concerned, where ever applicable. For supply of costly equipment, the performance satisfactory certificate shall be furnished from the buyers /organizations as per the Annexure

14.0 **Valid Good Manufacturing Practice / WHO-GMP Certificate**

Tenderer should produce Valid GMP / WHO-GMP certificate issued by the concerned Licensing Authority, in case of products notified as Drugs, where ever applicable.

The certificate should be valid as on the date of participating in the bid. Direct Importers shall furnish the GMP Certificate from the Manufacturers represented by them.

For non-drug products, the firm has to submit valid BIS / ISI / ISO / US / CE etc., as per the specifications prescribed, where ever applicable.

15.0 Declaration in Terms of G.O.Ms.No.352:

Government of Andhra Pradesh through G.O.Ms.No.352 AHDD and F Department, Dt:22-11- 2000 have prohibited the family members of the employees of Andhra Pradesh Animal Husbandry Department from entering business relating to Veterinary Supplies. To this effect tenderer should submit a declaration as per Proforma given on Rs.100.00, non-judicial stamp paper duly attested by authorized Notary as per **ANNEXURE X**. Failure to enclose the declaration the tender will be rejected.

16.0 Quoting of Rates

16.1 The Strength / Description, packing specifications and unit of pack are clearly indicated in this tender call. The tenderer shall offer their rates only for the specified Strength / Description and

packing. Items offered which do not confirm the Strength / Description unit of pack and packing specifications shall not be considered. The rates of each item should be quoted for the required packing only. Therefore, the tenderers are requested to go through all such specifications thoroughly and offer their rates.

16.2 The rates quoted shall be in Indian Rupees and Paisa only and must be expressed both in figures and words as well. The rates quoted should be inclusive of the cost of original containers, packing, forwarding, loading, unloading, insurance, any other levies or duties and other incidental charges including 2% transportation cost which shall be remitted to Joint Director's (AH) and Customs Duty in case of imported products including freight charges, delivery charges FOR to the destination.

16.3 All rates quoted by the bidder should be valid for a period of Two years from the date acceptance of the tender.

16.4 The rates quoted shall be exclusive of GST. The GST shall be paid in accordance with the orders of Government of Andhra Pradesh from time-to-time if any.

16.5 The rates quoted by the tenderer shall not exceed the controlled rates if the Government controlled rates are in force on the date of submission of tenders. In the absence of controlled prices, the tenderer shall quote reasonable price applicable to bulk purchases.

16.6 The rates offered in the tender shall not exceed the M.R.P. as well as the lowest price at which the firm sells the Item / Equipment of identical description to any other department or organization or person anywhere in the State or in the Country. If such incidence of quoting higher rates to this department come to the notice at any time during the course of Rate Contract period, the Director of Animal Husbandry reserves the right to initiate an appropriate disciplinary action against such firms including blacklisting them and recovery of excess amount paid, based on the merits of the case.

16.7 If artificially low rates are quoted Director of Animal Husbandry Andhra Pradesh reserves the right to cross-verify them and ignore them from consideration in order to prevent unethical trade practices.

16.8 If the tenderer quotes the rates at his will overlooking the conditions in the previous paragraphs the tender is liable for cancellation, even after approval of tender and firms will face suitable legal action for such action at any time during the Rate Contract period.

16.9 If the Government introduces any fresh taxes or enhances the present rate of taxes no change in the basic rate can be claimed. However, such claims will be decided by Director of Animal Husbandry based-upon the merits of each case.

16.10 During the period of rate contract if there is any reduction in the price of tendered items under any statutory provision or by Government order, the same reduction in prices shall be made applicable from the date of implementation of the order. The tenderer shall forthwith notify such reduction to the Director of Animal Husbandry, A.P., Vijayawada, as well as to the indenting officers failing which the contract is liable for cancellation including recovery of excess amount paid and no further correspondence will be entertained in this regard.

16.11 The Tenderer should supply the items at the rate quoted by him during the contract period. If at any time the prices of Tendered items are reduced by any Law or Act of Central or State Government or by the Tenderer himself the payment will be made at reduced rate.

16.12 No upward revision of Rates once accepted will be considered till the completion of tender period.

16.13 No tenderer shall be allowed at any time on any ground what so ever to claim revisions of or modifications in the rates quoted by him. Clerical error typographical etc. committed by the Tenderers in the tender forms shall not be considered after opening of the tenders.

16.14 **No Tender shall be submitted for an Item / Equipment for which the company has been blacklisted either by the Director of Animal Husbandry, A.P., Vijayawada or by any other States / Central Government Organization.**

17.0 Selection Procedure of Items / Equipment

17.1 The tendered Items / Equipment will be selected based on the lowest rates quoted by the firms for each item / product / equipment in the Financial Bids adhering to Reverse tendering guidelines.

17.2 The Financial Proposal of those Applicants who have qualified the Minimum Eligibility Criteria i.e., technical proposal will only be opened.

17.3 The L1 price(s) quoted for each item by the technically qualified bidders in the commercial stage shall be the base price for reverse tendering.

17.4 The bidder shall be selected based on their Technical and Financial Proposal duly adhering the guidelines for reverse tendering as per G.O.Ms. No. 79 Finance (HR. V – TFR) Department; Dated: 25-08-2020.

17.10. Reverse Tendering Process:

I. After identification of the L-1 Initial Price Offer, eligible (those who have submitted original hard copies of the DD/ online payment for EMD as applicable) bidders shall be transferred to the Reverse Auction Platform.
II. The initial period of the Reverse tendering process will start on the date and time fixed and displayed on the e-procurement platform, following which there will be auto extensions of time by 15 minutes in case of any reduction in bids recorded in the prior 15 minutes. Decrements made in each subsequent bid shall not be less than 0.5%.
III. Only the current L1 bid shall be visible to all bidders who may revise their bids until the end of the process.
IV. The L1 bid may be determined following a period of inactivity of more than 15 minutes of reverse bidding.
V. The contractor should register in **https://tender.apeprocurement.gov.in** for participation in reverse auction.
VI. If the number of bidders participated in initial tendering are more than five (05), 60% of the bidders participated in initial tendering (Counting from the bidder, who has quoted lowest initial price offer) or five (05) whichever is more shall be allowed for reverse tendering, if the number of bidders participated are equal or less than five (05), all the bidders shall be allowed to participate in the reverse tendering as per G.O.Ms. No. 271 MA& UD (UH) Dept. dt 16/10/2019.
VII. To conduct reverse tender process at least two bidders would be required. If only single responsive bidder available, Government have discretion to consider the single responsive bidder, when price offer is substantially low i.e., minimum 10% less than the estimated contract value dispensing with reverse auction.

**The prices quoted shall be firm and shall include all applicable taxes, duties, transportation, accommodation & stationery etc., except GST.*

17.11 The Director of Animal Husbandry, A.P. Vijayawada does not bind himself to accept the lowest tender and reserves the right to

reject any one or all tenders or accept any one or more tenders for the same Product / Products / Firms without assigning any reasons thereof and no further correspondence will be entertained on this subject.

17.12 The Director of Animal Husbandry can negotiate with L1 firm before finalizing the rates.

17.13 Keeping the volume of an Item / Equipment required for field use the Director of Animal Husbandry will approve more than one firm for a particular Item / Equipment.

17.14 The Director of Animal Husbandry or his authorized representatives has the right to inspect the factories of those companies who have quoted for the tender before accepting the rate quoted by them or before releasing any orders or at any point of time during the continuance of tender and has also the right to reject the tender or terminate / cancel the orders issued or not to place indent based on facts brought out during such inspections.

17.15 The Supplier hereby undertakes to keep the Authority informed on regular basis, if it supplies the same Product / similar Product (Goods) to any other government departments across India. It further undertakes that, if the Products / goods are supplied to any other government department across India at price lesser than the price currently being offered to the Authority (under this Agreement), the Supplier shall ensure that, the subject goods shall be supplied to Authority at such price being offered with respect to the government department(s) across India. It is further agreed that, price of all the Products / goods that are already supplied under this agreement shall be revised to the new price (lesser price), and the monies already paid shall be adjusted in the subsequent payments.

18.0 Deposition of Samples:

18.1 The tenderer **shall deposit** one Saleable / Marketable sample for each quoted item of Equipment/Surgical/Consumables in the tender for Veterinary and A.I Equipment, Laboratory Diagnostic and Miscellaneous items, **along with hard copies**, to the Joint Director (Technical), Directorate of Animal Husbandry, A.P, Vijayawada **on or before /03/2024 at 5.00 P.M.** The specifications of samples are to be mentioned legibly. Declaration of sample submission is compulsory.

18.2 The samples shall be in the form and pack available in the market as on the day. Loose samples, samples with type and / or hand written labels will not be accepted and these samples shall be utilized for cross verification in the market and for analysis. Non-deposition of

samples / non- furnishing of declaration will entail rejection of the tender.

18.3 If any tenderer has not deposited samples as specified and not furnished certification his tender is liable for rejection. The samples approved or unapproved under previous year tenders shall not be considered, as samples for the present Rate Contract.

18.4 Exemption from deposition of the samples will be entertained only for certain specified and sensitive items as the Director of Animal Husbandry may think fit and proper, but not for all items under any circumstances.

18.5 **Exemption** from deposit of samples like branded Chemicals and Reagents or very costly machinery / Equipment / Appliances along with submission of tenders **will be considered only on prior request and approval from the Director** of Animal Husbandry, A.P., Vijayawada. The Tenderers are however requested to enclose the printed brochures/catalogue/leaflets elucidating all the details / particulars of equipment. The tenderer shall demonstrate the said equipment to the Director / Joint Director (Technical). The demonstration should be done at the cost of the tenderer at the place specified by the Director of Animal Husbandry, Andhra Pradesh, Vijayawada before the date of opening of financial bids.

18.6 The tenderers however shall produce such exempted items to the Joint Director (Technical), Directorate of Animal Husbandry, Vijayawada, as and when required for verification during supply of items / equipments to the indenting officers.

18.7 The samples of unapproved firms will be returned to the respective firms at their own expenses.

19.0 Stockist:

19.1 The successful Tenderer can appoint not more than Two Stockists.

19.2 The authorized dealer / authorized Stockist / authorized distributor should have Annual turnover of Rs.25.00 lakhs during the years 2020-21, 2021-22 and 2022-23 and annual turnover assessment orders for the years i.e. 2020-21, 2021-22 and 2022-23 certified by Commercial tax officer / Chartered Accountant.

19.3 The Stockist / Distributor shall have a minimum experience of 3 years and valid Drug or Chemical or Equipment Sale / Distribution License for Three years 2020-21, 2021-22 and 2022-23

19.4 The Stockist shall furnish his declaration along with acceptance for effecting supplies to the Indenting officer as per the conditions of release order. The Stockist should also submit valid Sales / Distribution License and Sales Tax Clearance Certificate or GST Payment particulars for Financial Years 2020-21, 2021-22 and 2022-23

19.5 The Director of Animal Husbandry reserves the right to delete any area of operation from the approved Stockist or add new area to the other approved Stockist or completely delete any of the approved Stockist during the course of the Rate Contract period based on the merits of representation of the principal manufacturing firm of the approved Stockist and the Departmental Officers. **However, appointment of new Stockist will not be considered under any circumstances during the course of Rate Contract period.**

19.6 However, the Director of Animal Husbandry, A.P., Vijayawada reserves the right to accept stocks from the firm directly or any of the approved Stockist under emergencies or under special circumstances as he may think fit.

20.0 Placing of Indents

20.1 The Firm/Manufacturer shall comply with all the indents placed by the Departmental Officers within a period of 45 Days under ordinary circumstances from the date of E-mailing of the purchase order. In case of imported items, the period for supply would be 60 days from the date of PO. A grace period of 15 days with 0.5% penalty on purchase order per day is allowed. Further another 10 days is permitted with written permission from the Director of Animal Husbandry and agreed penalty @ 1% per day on purchase order during that 10 days period.

20.2 If any firm / Manufacturer fails to supply the indented products within the stipulated period, the indented order automatically gets cancelled. Besides this any excess cost incurred due to purchase of such products from other firm or from open market will be recovered from the defaulting firm. In the event of inconvenience due to non-compliance to the indents by the firm, the Director of Animal Husbandry reserves the right to delete such firm from the Rate Contract for the rest of the Rate Contract period.

20.3 Indents for the equipment/surgical/consumables approved, will be placed on the Manufacturer directly or on its C and F Agent / Distributors / Stockiest. The indented goods should be supplied

to destination points as prescribed or indented by the indenting officer. The approved firm will be permitted to supply stocks through an authorized agent.

20.4 The indented stocks shall be delivered at the place indicated by the indenting officer or Director of Animal Husbandry at the cost of supplier including handling charges.

20.5 No Insurance charges will be paid by the Department / Indenter.

20.6 Conditions such as **"SUBJECT TO AVAILABILITY" "SUPPLIES WILL BE MADE AS AND WHEN STOCKS ARE RECEIVED"** etc. will not be considered under any circumstances and the tenders of those who have given such conditions shall be treated as incomplete and the request for extension of time will only be considered based on the merits otherwise. Any failure in supplying the indented products will be taken as a willful refusal to supply and the firm will be black listed for a period of three years.

21.0 SUPPLY OF STOCK:

21.1 Fresh Stocks shall invariably be supplied against all indents. The expiry date for applicable products shall not be less than 12 months at the time of supply. For such of those products whose shelf life is only one year they should have at least 80 percent of the balance shelf life at the time of supply. In case of premature deterioration, free replacement shall be made and any loss should be made good. Every product shall be of good quality as per the approved sample in all aspects and without any damage at the time of receipt of consignment by the indenting officer.

21.2 It should be ensured that only first hand fresh packing material of uniform size including bottles and vials are used for packing. The packed card board boxes shall clearly indicate the name of the supplier product of supply and other related details like the manufacturing date, expiry date etc.

21.3 The equipment supplied must be covered with w arranty for one year from the date of supply or as mentioned in the specifications against any defective manufacture / wor kmanship etc., your cost repairs / replacements / se rvicing shall be attended at customer's place during the warranty period at free of cost within 7 days fr om date of intimation. They shall also ensure that a

ll the components shall be made available through dealers network at least for a period of three years from the date of supply of the unit on payment ba sis.

21.4 The supplier has to show the demonstration of the equipment as required by the department at the time of supply at his own cost. The firm has to educate the concerned benefici ary on do's and don'ts of operation of equipment.

21.5 The Manufacturer shall provide detailed operational and maintenance manuals parts catalog at the time of supply of the equipment to the beneficiaries and awareness should be created to beneficiaries about t he machinery. The firm should also supply two copie s of such operational and maintenance manuals to t he department for official use.

21.6 All labels on cartons including the labels affixed on the ampoules / vials / bottles / packages shall bear in red print with inscription ***For A.P. Animal Husbandry Department Use, not for Sale /for A.P.A.H.D. Use, not for sale*** with a letter size of that of trade name size at top of the label i.e., above the product name. Stock supplied without this inscription will be considered as deviation to the tender condition and a fine of 1% of the value of the entire stock supplied to the department for that particular batch number will be imposed.

21.7 Every product on label shall have printed batch number, Drug license number, Manufacturing and Expiry dates and this should be incorporated in the invoice also. Adhesive stickers should not be pasted over the labels under any circumstances.

21.8 Tenderer while supplying Equipment, Chemicals and consumables to the Institution should invariably supply product literature in sufficient number as required by the indenting officer.

21.9 The successful tenderer should deliver the indented products, install and commissioned to the level of Divisional offices / other institutions in the state as indicated by various officers at the firm's own risk and it should be in such

quantities and numbers at such time and in such manner as the Director of Animal Husbandry A.P. Vijayawada or any authorized indenting officer of the department.

21.10 In case the supplies delivered by the firm are not of stipulated quality / quantity or delivered without correct invoice or with the Tampered Labels or any stickers on labels, the Director of Animal Husbandry, A.P. Vijayawada, or any officer authorized by him shall have the power to reject any such supplies unless the said firm itself suitably replaces forthwith besides taking suitable action against the erring firm. The firm at their own expenses shall take rejected products back within 7 days of the notice of rejection. If not, the Director of Animal Husbandry, A.P. Vijayawada or any one duly authorized by him, shall remove them from the stock point and the amount thus incurred shall be recovered from the firm.

21.11 Any shortage or breakage during the transit should be made good by the supplier at his own cost. Goods found damaged on opening of consignment shall be replaced by the supplier at his own cost within 10 days of the intimation.

21.12 The bills towards products supplied by the Rate Contract firm should be sent to the Indenting Officer. If any default on the part of supplier, the Indenting Officers and Director of Animal Husbandry, A.P. Vijayawada reserves the right to deduct from the bills suitable sums by way of penalty for any specific default as prescribed.

21.13 The decision of the Director of Animal Husbandry A.P. Vijayawada or officer authorized by him shall be final with regards to the acceptability of products/items/equipment supplied by the Tenderer. Any plea for assigning the reasons for rejection will not be entertained.

22.0 Supply conditions:

22.01 The supplier shall supply the equipment as per the specifications specified in the RFP.

22.02 The supplier is responsible for the proper installation of the equipment and conducting a comprehensive demonstration to all staff members of the institution.

22.03 Upon successful completion of installation, demo and training, the supplier must obtain a satisfactory certificate from the end user, confirming the equipment's functionality and the staff's readiness to operate it effectively.

22.04 The payment towards the order supplied shall be done after supply, installation, demo & training and issue of invoice by the agency and upon producing satisfactory certificate from the end user as per the T&C of this RFP after the approval of Authority as authorized by the Authority.

22.05 The indenting officer reserves the right to hold the payment if the stock is not supplied with in the time specified in the RFP or if the supplied stock is not as per specifications and satisfactory performance as per the RFP or if the stock is damaged or misplaced during transport.

22.06 The indenting officer reserves the right to get the supplied stock verified and tested by the competent authority whether all the specifications mentioned in the tender are fulfilled. If any deviation is found all the stock of the respective work order / indent will be rejected and the payment will be withheld.

22.07 After Sales Service:

a) The Manufacturer must provide after sales service to the beneficiaries during the warranty period.

b) It shall be the responsibility of the Manufacturer to ensure that necessary spare parts are available to the purchaser / customer of machine/equipments during the warranty period and afterward also. For this purpose, the Manufacturer shall keep necessary stock of such parts with their respective dealers.

c) The Manufacturer shall also make arrangements for repair and after sales service required on a continuous basis up to 2 years after the expiry of the warranty period and shall ensure that the repairs/maintenance cost incurred by the purchaser are minimum.

23.0 Period of Rate Contract:

The Rate contract will be in force for a period of Two years from the date of entering in to the agreement of the Tenderer and will be extended as per the need on mutual consent of both the parties subject to satisfactory performance of the tenderer.

24.0 Payment Provisions:

24.01 No request for payment of advance amount for supplies shall be entertained.

24.02 Suppliers will ordinarily be paid as per the budget availability after supply of stocks by the Tenderer.

However, if their payment is delayed due to unforeseen circumstances, no interest charges shall be paid.

25.0 Quality Testing:

25.01 Surgical, Chemicals and consumables shall have the active ingredients and shelf life / Warranty at the maximum permissible level throughout the period.

25.02 The supplies will be deemed to be completed only upon receipt of the installation / acceptance certificate further to test reports / quality certificate of the products supplied from the Laboratories. Supplies which do not meet quality requirements or if the sample is declared to be not of standard quality or spurious or adulterated or mis-branded such relevant batch/batches will be deemed to be rejected. If the samples do not confirm to statutory standards, the tenderer will be liable for relevant action under the existing laws and the tenderer should take the entire stock back within a period of 15 days of the receipt of the letter from the indenting Officer or Director of Animal Husbandry, A.P., Vijayawada. The stock shall be taken back at the expenses of the tenderer. The Director of Animal Husbandry, A.P., Vijayawada reserves the right to destroy such sub-standard goods, if the tenderer does not take back the goods within the stipulated time. Concerned Licensing Authority will be informed for initiating necessary action on the tenderer and that the firm supplying such Equipment / Chemicals shall be **Black Listed by the Government of Andhra Pradesh** and no further supplies accepted from them till it is legally cleared. The tenderer will be blacklisted for participating of all department tenders in the State of Andhra Pradesh for supply of such Equipment/Chemicals and Consumables for a period of three subsequent years.

25.03 The tenderer shall furnish the source of procurement of raw materials utilized in the Manufacture of Equipment/ Chemicals and Consumables if required by the Director of Animal Husbandry. The Director of Animal Husbandry reserves the right to cancel the purchase orders if the source of supply is not furnished, whenever requisitioned.

25.04 **All the Surgical Stainless-Steel Instruments should be made of Medical Grade Steel according to the latest BIS specifications.**

25.05 If two (2) or more than two (2) Items / Equipment among the approved Items / Equipment of the Firm / Stockist are declared as Not of Standard Quality during the Rate Contract period *the* Firm /Stockist shall *be blacklisted by the Government of Andhra Pradesh for not less than three years.*

25.06 Samples of the Equipments / Chemicals and Consumables will also be collected by the Animal Husbandry Department and sent for Quality Testing when ever required by the Department. The handling and testing charges shall be borne by the tenderer. This instruction should be complied during the period the tender has been in force. Samples so tested if found to be of Not of Standard Quality the same shall be informed to the concerned licensing / Competent authority to initiate action as per existing laws apart from keeping that Item / Equipment of the firms under Blacklist for three years.

25.07 <u>District Level quality check committee:</u>

For assessment of the quality of the equipment a Three (3) member committee comprising of representative from Animal Husbandry Department, One (1) representative from District Industries Centre and One (1) representative from any of the Government Engineering Colleges in the district will assess the quality of the equipment, which shall be binding on the supplier. The committee is to be constituted by the District Animal Husbandry Officer concerned.

25.08 <u>Division Level quality check committee for equipment supplied to AVH's and VD's :</u>

1. Divisional Deputy Director (AH)
2. Assistant Director, AVH of respective jurisdiction
3. Veterinary Assistant Surgeon of respective jurisdiction

25.09 <u>Quality check committee for equipment supplied to SSVH's,SAHTC and VPC's:</u>

1. Joint Director/Deputy Director of respective institution.
2. Assistant Director of respective institution.
3. Veterinary Assistant Surgeons of respective institution.

25.10
Cost of Test: the Manufacturer is liable to pay the testi ng charges for any test done on the products supplied for conformity on quality.

26.0 PENALTY FOR DELAYED SUPPLIES:

26.01 The supplies should be made within 45 days from the date of purchase order (PO). In case of imported items, the period for supply would be 60 days from the date of Purchase Order.

26.02 In the event of delayed supply, A grace period of 15 days with 0.5% penalty on purchase order per day is allowed. Further another 10 days is permitted with written permission from the Director of Animal Husbandry and agreed penalty @ 1% per day on purchase order during those 10 days period.

26.03 After expiry of the penalty period, the purchase order is deemed to be cancelled and the Director of Animal Husbandry will be at liberty to procure the items from other suppliers or from open market as per demand and the extra cost incurred in doing so will be recovered from the firm which fails to supply within the stipulated period either from the amount payable or from the performance security deposit.

26.04 If the non-compliance of indents causes inconvenience to the prompt and regular supply of the stocks to the Department, Director of Animal Husbandry reserves the right to delete such Firm / Stockist from the Rate Contract for the rest of the period of RC.

27.0 OTHER PENALTIES

27.01 No company / Firm which has been blacklisted either by Director of Animal Husbandry, A.P., Vijayawada or by any State Government or Central Government / Organizations shall participate in the Tender during the period of Blacklisting. If any such firm participates and same comes to the notice at a later stage and if any firm is Black listed at a later date either by the Government of Andhra Pradesh or any other State / Central Government

will not only be debarred / Black listed permanently and their security deposit / EMD whichever is available with the Department will be forfeited and any business / transactions will be stopped with their firms forthwith.

27.02 If the successful tenderer fails to execute the agreement and / or deposit the required security within the time specified i.e. Ten days **(see 7.0)** or with draws his tender after the intimation of the acceptance of his tender has been sent to him or owing to any other reasons he is unable to undertake the contract, his contract will be cancelled and the Earnest Money Deposit deposited by him along with his tender shall stand forfeited and he will also be liable for all damages sustained by the Director of Animal Husbandry, A.P., Vijayawada by reasons of breach such as failure to supply / distorted supply including the liability to pay any difference between the prices accepted by him and those ultimately paid for procurement of the articles concerned. Such damages shall be assessed by the Director of Animal Husbandry whose decision is final in the matter.

27.03 If any Equipment/Chemicals and Consumables supplied by the tenderer have been partially or wholly used or consumed after supply and are subsequently found to be "Not of standard Quality" (NSQ) or spurious or adulterated or mis-branded with tampering of labels in bad or unsound, inferior in quality or not as per specifications or description or otherwise faulty or unfit for use / consumption then the contract price or prices of such products or things will be recovered from the tenderer, if payment had already been made to him. Otherwise, the tenderer will not be entitled to any payment whatsoever for such product. For infringement of the stipulations of the contract or for other justifiable reasons the contract may be terminated by the Director of Animal Husbandry and the tenderer shall be liable for all losses sustained by the Director of Animal Husbandry in consequence of the termination which may be recovered personally from the tenderer from his properties as per rules.

27.04 Non-performance of contract provisions will disqualify a firm to participate in the tender for the next three years.

27.05 In the event of any products failing quality tests, contract with the tenderer will be suspended and purchases would be made from alternative suppliers. *Such firms will be black listed for three years* beginning from the year following the one in which defective supplies were detected. The tenderer shall also be liable for action under criminal law and the matter shall be notified to the concerned Licensing Authority.

27.06 Approved firms who fail/refuse to supply the indented items they shall be liable to be debarred from entering into the Tender for the succeeding three years.

27.07 If any Firm / Manufacturer / Dealer / Distributor / Stockist is not honoring the Terms and Conditions and not supplying indented Items / Equipment's / Chemicals, Stockist / Firms will be debarred for a period of 3 years from participating in such Departmental Tenders.

27.08 In all the above conditions the decision of the Director of Animal Husbandry, A.P., Vijayawada shall be final and binding.

27.09 In the event of any dispute arising out of the tender such dispute would be subject to the Jurisdiction of the civil courts within the city of Vijayawada.

27.10 By submitting the bid, the Supplier hereby undertakes to keep the Authority informed on regular basis, if it supplies the same Product / similar Product (Goods) to any other government departments across India. It further undertakes that, if the Products / goods are supplied to any other government department across India at price lesser than the price currently being offered to the Authority (under this Agreement), the Supplier shall ensure that, the subject goods shall be supplied to Authority at such price being offered with respect to the government department(s) across India. It is further agreed that, price of all the Products / goods that are already supplied under this agreement shall be revised to the new price (lesser price), and the monies already paid shall be adjusted in the subsequent payments.

27.11 By, submitting the bid, the supplier hereby undertakes to supply the equipment of the same OEM with the same specifications as authorized during the selection process and any deviation (i.e., wrt non compliance of specifications and any unauthorized

change of OEM other than the mentioned during selection process) shall impose a penalty of 200% of respective item / product cost for each such deviation.

28.0 General Conditions

28.01 The Tender quantity mentioned is only a tentative requirement. The Quantities indicated may vary basing on Seasonal conditions, Disease problem and field needs.

28.02 Manufacturing firm should clearly state the origin of the basic materials whether they are indigenous or foreign. In case of foreign origin the country from which the said materials obtained regarding the imports along with copy of the valid import license issued by the competent authority shall be enclosed.

28.03 In the event of the successful Tenderer failing to supply the stocks partially or in whole, as indented by the Departmental Officers under this Rate Contract within the period prescribed for delivery or requesting for deletion of approved and accepted items by the tenderer, the Director of Animal Husbandry, Andhra Pradesh, Vijayawada has the right to take action against such tenderer. The Department shall have right to resort to local purchase and the extra expenditure involved while doing so by the Department, will be recovered from the Security Deposit in whole or in part and if the Security Deposit falls short, the balance of extra amount will be recovered from any amount payable to the Tenderer by any officer of the Animal Husbandry Department or such an amount will be recovered with legal charges if any under Revenue Recovery Act. Such defaulters will forego the right to participate in future tenders for a minimum period of three years.

28.04 The Technical Bid Committee or its nominee shall be empowered to cross verify the facts as well as Items / Equipment provided in the Technical Bid before finalizing the firms to be placed before the Financial Bid Committee. If necessary Technical Bid Committee or its nominee can visit the premises of participating firm and inspect the manufacturing analytical and other facilities for arriving at the decision regarding the finalization of Technical Bids.

28.05 The Director of Animal Husbandry is empowered to resort to any punitive actions ranging from recovering of losses to **Black Listing** of the erring Rate Contract Firm / Stockist for any kind of malpractices violating the tender terms and conditions.

28.06 Tenderer should not involve in malpractices i.e., offering/ giving/ or soliciting of anything valuable to influence the action of a government official in Technical selection of Products and procurement process which will be considered as serious lapse and such firm will be black listed and judicial action will be taken against such Tenderer.

28.07 Tenderers imposing any extra conditions of their own will be summarily rejected. Only those agreeing with the above tender conditions may offer their tenders.

28.08 The Director of Animal Husbandry is the sole authority on any decision in respect of any issue on the terms and conditions and reserved the rift to accept / reject / cancel or take any action on any products without any notice what so ever to any firm and without assigning any reasons.

28.09 All legal complications or suits if any sought on these transactions shall be limited to any competent court of law within the jurisdiction of Directorate of Animal Husbandry, AP only.

29.0 Saving Clause

NO SUIT PROSECUTION OR ANY LEGAL PROCEEDINGS SHALL LIE AGAINST THE PURCHASER OR ANIMAL HUSBANDRY DEPARTMENT A.P. VIJAYAWADA OR ANY OFFICER OF THE DEPARTMENT FOR ANY THING WHICH IS DONE IN GOOD FAITH OR INTENDED TO BE DONE IN PURSUANCE OF THIS TENDER.

CHECK LIST

(To be filled in by the Tenderer and to be submitted along with Technical Bid only)

Sl.No	Name of the Document	Yes/No	Page Number
1	Check List Duly Signed		
2	Demand Draft for Rs.25,000/- towards processing fee		
3	**Notarized** Affidavit Form Duly Signed **Annexure I**		
4	Valid Manufacturing License / Registration certificate from concerned competent authority		
5	Manufacturer's Authorization Form, wherever required in **Annexure II**		
6	GST Registration Certificate		
7	Income Tax returns for 2020-21, 2021-22 and 2022-23		
8	Valid GMP / WHO-GMP / BIS / ISI / ISO / US / CE Certificate		
9	Earnest Money Deposit		
10	Documentary evidence in support of exemption of EMD issued by APSSIDC/MSME/NSIC if applicable		
11	Latest Non-Conviction Certificate from competent authority for last 3 years, where ever applicable		
12	Annual Turnover Assessment order / Certificate for 2020-21, 2021-22 and 2022-23 Certified by Statutory Auditor / Chartered Accountant duly filled in **Annexure III**		
13	GST / Sales Tax Clearance Certificate for 2020-21, 2021-22 and 2022-23 certified by Commercial Tax Officer along with supporting documents of payment particulars / GST filed returns and duly filled in **Annexure IV**		
14	Copies of Audited Balance Sheet and Profit and loss Account for last Three years i.e. 2020-21, 2021-22 and 2022-23 duly certified by the Auditors		
15	Product Market Standing Certificate enclose 2 invoices of different months of that particular year for 2020-21, 2021-22 and 2022-23 along with **Annexure V**		

16	Product Market Standing Certificate issued by Drug Control Authority, where ever applicable		
17	Product wise Performance Certificate for 2020-21, 2021-22 and 2022-23 issued by the Drug Control Authority concerned, where ever applicable.		
18	Statement of M.R.P and applicable GST etc. for the quoted products in **Annexure VI**		
19	**Notarized** affidavit Declaration by the Tenderer that the firm was neither black listed nor suspension of Items during the last five years and till date as in **Annexure VII**		
20	Declaration form on Price for the quoted Products in **Annexure VIII**		
21	Sample Submission Declaration along with Brochures / Catalogues / Leaflets duly signed in **Annexure IX**		
22	**Notarized** affidavit Declaration in terms of G.O.Ms.No.352 in **Annexure X**		

Note: All the Supported documents should be submitted in physical form

The above details have been checked by me/us and found correct.

Place: SIGNATURE OF THE TENDERER

Dated:

WITH NAME and FULL ADDRESS FIRM SEAL

TO BE SUBMITTED

ANNEXURE- I

NOTARIZED AFFIDAVIT FROM TENDERER

1. I/We aged years S/o

   ----------Proprietor/ authorized nominee(s) of the Firm M/s.----------hereby submit tender to Animal Husbandry Department, Government of Andhra Pradesh for Supply of Veterinary and A.I Equipment / Veterinary diagnostic and laboratory needs and Miscellaneous items for the year 2024-25 & 2025-26.

2. That I/We have read in detail entire tender document and all the Terms and Conditions of the Tender Form carefully and hereby agree to accept and undertake to abide by all the Terms and Conditions contained therein.
3. That I am / We are well acquainted with the facts about the firm and the information provided in the Tender Form is true and correct. I may be punished as per law for any wrong information, misleading facts provided in the Tender Form besides rejecting my Tender.

Place Signature of the Tenderer

Date Name Seal of the Firm

Note: The above Declaration shall be registered by an authorized NOTARY on non-judiciary bond paper of Rs.100/- only

TO BE SUBMITTED

ANNEXURE- II

(To be submitted by Manufacturers / Authorized Distributors)

MANUFACTURER'S AUTHORIZATION FORM

No. dated

To

The Director

A.P. Animal Husbandry Department,
Labbipet, Vijayawada-520010.

Sir,

Tender Notice No.

We who are established and reputable manufacturers of having factories at and do here by authorize M/s. (Name and address of Agents) to bid, negotiate and conclude the contract with you against Tender Notice No. for the above goods manufactured by us.

No company or firm or individual other than M/s.

are authorized to bid, negotiate, and conclude the contract in regard to this business against this specific Tender Notice.

We hereby declare that we are willing to provide guarantee/warranty and after sales service during the period of warranty as per the above tender for the Goods offered for supply against this invitation for bid by the above firm.

We also hereby declare that we have the capacity to manufacture and supply, install and commission the quantity of the equipments tendered within the stipulated time.

Yours faithfully,
(Name) For and

on behalf of M/s.

(Name of

manufacturers)

Note: This letter of authority is on the letterhead of the manufacturing concern and should be signed by a person competent and having the power of attorney to bind the manufacturer.

TO BE SUBMITTED

ANNEXURE - III

ANNUAL TURNOVER CERTIFICATE

The Annual Turnover of

M/s.

Address ---------- for the past Three years are given below and certified that the statement is correct as per the records.

Year	**Turnover Rs. in lakhs**	**Rupees In Words**
2020-21		
2021-22		
2022-23		

Date:

Signatur

e of Chartered

Accountant with Name

and Seal

TO BE SUBMITTED

ANNEXURE-IV

SALES TAX / GST CLEARANCE CERTIFICATE

1. Name and address of the Company / Firm
2. Particulars of Sales –Tax / GST assessed and paid for the preceding Three years

Year	Total Tax assessed In Rs.	Total Tax paid In Rs.	Remarks
2020-21			
2021-22			
2022-23			

I declare that the above information is correct and complete to the best of my knowledge and belief.

Date

Signature of the Tenderer
With Seal

Certificate from the Assessing Authority

This is to certify that the Tenderer mentioned above has paid the tax demands as shown above.

Signature of the

Commercial Tax Officer with seal

TO BE SUBMITTED

ANNEXURE V

PRODUCT MARKET STANDING CERTIFICATE

Name and Address of the Manufacturer or Dealer / Distributor /

Stockiest: M/s.----------

Year	Item Code No.	Name and Address of the Purchaser	Tax Invoice No. and Date
2020-21			
2021-22			
2022-23			

Date

Place

Signature of the Manufacturer or Dealer / Distributor / Stockiest with seal

ANNEXURE VI

Performance Satisfactory Certificate

(From the buyer/Organization)

To,

The _____ (Name of the firm & Address)

This is to certify that our organization /Institution is using the equipment / product supplied by your firm _____and the performance of the equipment/product is satisfactory.

Year	Item Code No.	Name of the equipment	Date of supply

Date

Place

Signature of the buyer/ organization

with seal

TO BE SUBMITTED

ANNEXURE-VII

D E C L A R A T I O N

I / We ---------- the Proprietor / Authorized nominees of the Firm M/s. ---------- hereby submit the details of rates hereunder for the Veterinary and A.I Equipment / Veterinary diagnostic and laboratory needs and miscellaneous Items quoted in the Tender for the year 2024-25 and 2025-26.

S.No.	**Item Code**	**Name of the Item**	**Make / Brand**	**Model No.**	**HSN Code**	**M.R.P in Rs.**	**SGST (%)**	**CGST (%)**	**IGST (%)**

P

l

a

c

e

D

a

t

e

Signature of the Tenderer with seal

TO BE SUBMITTED

ANNEXURE-VIII

(Notarized Affidavit Declaration Regarding Non Black Listing of the Firm on Indian Non-Judicial Stamp Paper of Rs.100/-)

I / We---------- the Proprietor / Authorized nominees of the Firm M/s---------- hereby declare that our products

/ Firm have not been black listed / suspended in any states of India for the years during the last five (05) years and till date.

That I am / we are well acquainted with the facts about the firm / products. I may be punished as per law for any wrong information misleading facts provided in this regard.

Place

Date

Signature of the Tenderer with seal

TO BE SUBMITTED

ANNEXURE- IX

Price Declaration Form

I / We ..... having Our ..... office at read and understood the terms and conditions contained in the bidding documents for Supply of Veterinary and Artificial Insemination Equipment and Veterinary Diagnostic & Laboratory Needs and Miscellaneous Items for The Year 2024-25 & 2025-26 under this

notification for bid and offer our bids unconditional, to the extent not stated at any other part of our bid.

We will not quote or supply the equipment/goods similar to the ones offered under this bid notification to any agency or organization in the country, at the rate lower than the rate quoted in this present tender.

If we found quoting lower rate than the rate quoted to the Animal Husbandry Department, Andhra Pradesh, Vijayawada, to any other agency in the country during the validity of the present contract, we will remit the differential cost to the Department, unconditionally.

Signature:

Date :

Name of the Firm and address:

TO BE SUBMITTED

ANNEXURE –X

PROFORMA FOR SAMPLE SUBMISSION

Name and Address of the Manufacturer or Dealer /

Distributor / Stockist: M/s.----------

Sl. No.	Item / Equipment Code	Name of the Item	Specifications	Sample submitted YES/NO	Remarks

Signature of

the Tenderer

Name

Seal of the Firm

TO BE SUBMITTED

ANNEXURE - XI

D E C L A R A T I O N

In terms of G.O.Ms.No.352 AH DD and F Dept (AH-II) Dated 22.11.2000

I..... son of .... Aged..... residing at

…… village…… Mandal…… District an

authorized signatory of M/s…… Firm Name hereby solemnly

declares that I myself or any of my family members is not the employee of the Andhra Pradesh Animal Husbandry Department. I also declare that any of the partners of our firm or their family members are not the employees of Andhra Pradesh Animal Husbandry Department. I/We shall not include any person as partner who is a family member of the employee of Andhra Pradesh Animal Husbandry Department during the period of Rate Contract period 2024-25 & 2025-26.

I / We also declare that our authorized Stockiest M/s…… …… …… …… …… FOR SUPPLY OF VETERINARY AND A.I EQUIPMENT/ VETERINARY DIAGNOSTIC and LABORATORY NEEDS and MISCELLANEOUS ITEMS FOR THE YEAR 2024-25 & 2025-26 to Andhra Pradesh Animal Husbandry Department are neither employees of A.P. Animal Husbandry Department nor any their family members is working in Andhra Pradesh Animal Husbandry Department. The Stockiest shall not include any one as partner who is a family member of the employee of Andhra Pradesh Animal Husbandry Department during the period of Rate Contract period 2024-25 & 2025-26.

Any violation of these rules or regulation shall be treated as misconduct and shall be liable for action deemed fit.

In the event of failure on our part to abide by the above declaration willfully or by oversight it is left to the Director of Animal Husbandry, A.P., Vijayawada to take appropriate action against us and as well as against the authorized stockiest.

SIGNATURE OF TENDERER WITH STAMP

Note: The above Declaration shall be registered by an authorized NOTARY on non-judiciary bond paper of Rs.100/- only

GOPAL KRISHNA DWIVEDI
SPECIAL CHIEF SECRETARY TO GOVERNMENT

LIST OF VETERINARY AND ARTIFICIAL INSEMINATION EQUIPMENTAND VETERINARY DIAGNOSTIC & LABORATORY NEEDS AND MISCELLANEOUS ITEMS PROPOSED UNDER RATE CONTRACT FOR 2024-2025 & 2025-26

S. No.	Item Code	Item Name	Specifications	Unit Pack	Approximate Quantity Required
AIE - ARTIFICIAL INSEMINATION EQUIPMENT					
1	AIE-1	AI Straws (0.25 ml) (Imported)	The straws should be made PVC of suitable grade which can withstand long time storage in liquid nitrogen i.e. temperature of Minus 196 Degree Celsius. Each straw should have volume of about 0.25 ml and 133mm plus or minus 1mm long with Inner Dia. of 1.6 ± 0.1mm and external diameter of 1.9 ± 0.1mm. The factory plug of straws should absorb less semen than regular straws. The straws should be available in pastel colors like pastel red, pastel green, pastel blue, pastel yellow, grey pastel orange, Salmon & Transparent . The straws should not lose shape in normal storage condition. Packing in sterile polyethelene bags and sealed hermetically with all marking details on pack. Required specifiations of CMU suppliers earlier. (ISO Certified)	Pack of 2000 straws in ZIP lock bags	3000
2	AIE-2	Unplugged straws 0.25 ml (Imported)	These straws are required for sampling of semen for sperm concentration should be compatible with IMV make Photometer.	Pack of 2000 straws	50
3	AIE-3	Artificial Vagina cones - 9 inches	The cone should be made of virgin latex rubber, 9 inches long with one end tampering to fix on semen collection tube of 15 mm diameter and other end suitable to fit to AV hose pipe . It should be withstand steam sterilization i.e autoclave at 5 Psi for 20 minutes. It should be of thick rubber.	Single	600
4	AIE-	Artificial Vagina cones s	The cone should be made of siliconiz	Singl	600

	4	iliconized - 9 inches	ed rubber, 9 inches long with one end tampering to fix on semen collection tube of 15 mm diameter and other end suitable to fit to AV hose pipe. The inner surface should be very smooth and shining to permit free flow of semen. It should be withstand steam sterilization i.e autoclave at 5 Psi for 20 minutes	e	
5	AIE-5	Artificial Vagina Hose Pipe 8 inches	Artificial vagina made up of rubber hose pipe 58 mm Dia & 8 inches length approx fitted with good quality brass valve, for pouring hot water, brass valve should be leakproof. It should be withstand steam sterilization i.e autoclave at 5 Psi for 20 minutes	Single	150
6	AIE-6	Artifical Vagina Hose pipe - 10 inches	Artificial vaginas made of rubber hose, suitable for buffalo bulls, 10 inches long, 62mm Dia approx fitted with good quality brass valve for pouring hot water. The brass valve should be leak proof for air and water. The body should be slightly pliable. Both the edges should be rounded, smooth and elevated to hold the rubber liner.It should be withstand steam sterilization i.e autoclave at 5 Psi for 20 minutes	Single	300
7	AIE-7	Artifical Vagina Hose pipe - 12 inches	Artificial vaginas made of rubber, suitable for cattle and buffalo bulls, 12 inches long, 62 mm Dia approx., fitted with good quality brass valve for pouring hot water. The brass valve should be leak proof for air and water. The body should be slightly pliable. Both the edges should be rounded, smooth and elevated to hold the rubber liner.It should be withstand steam sterilization i.e autoclave at 5 Psi for 20 minutes	Single	150
8	AIE-8	Artifical Vagina Hose pipe - 14 inches	Artificial vaginas made of rubber, suitable for cattle bulls, 14 inches long, 62mm Dia approx., fitted with good quality brass valve for pouring hot water. The brass valve should be leak proof for air and water. The body should be slightly pliable. Both the edges should be rounded, smooth and elevated to hold the rubber liner.	Single	150
9	AIE-9	Artificial Vagina liners - 12 inches	The rubber liner should be made of virgin latex rubber and 12 inches long 60mm Dia approx with both side	Single	1000

			s smooth. The liner should be of uni form thickness, smooth and soft. It should withstand repeated sterilizati on i.e autoclave at 5 Psi for 20 minu tes		
10	AIE-10	Artificial Vagina liners - 14 inches	The rubber liner should be made of virgin latex rubber and 14 inches lo ng 60mm Dia approx with both side s smooth. The liner should be of uni form thickness, smooth and soft. It should withstand repeated sterilizati on i.e autoclave at 5 Psi for 20 minu tes	Singl e	1000
11	AIE-11	Artificial Vagina liners - 16 inches	The rubber liner should be made of virgin latex rubber and 16 inches 60 mm Dia approxlong with both sides smooth. The liner should be of unifo rm thickness, smooth and soft. It sh ould withstand repeated sterilization i.e autoclave at 5 Psi for 20 minute s	Singl e	1000
12	AIE-12	Artificial Vagina liners - 16 inches	The rubber liner should be made of virgin latex rubber and 16 inches wi dth 3.5 inches approxlong with both sides smooth. The liner should be o f uniform thickness, smooth and sof t. It should withstand repeated steril ization i.e autoclave at 5 Psi for 20 minutes	Singl e	1000
13	AIE-13	Artificial Vagina liners - 18 inches	The rubber liner should be made of virgin latex rubber and 18 inches 60 mm Dia approx long with both side s smooth. The liner should be of uni form thickness, smooth and soft. It should withstand repeated sterilizati on i.e autoclave at 5 Psi 20 minutes	Singl e	1000
14	AIE-14	Freezing Racks 0.25 ml straws	Should be SS make, resistance to Mi nus 196 Degree Celsius and capacit y to hold 175 straws. Should also be compatible with IMV make biofreeze r.	Singl e	100
15	AIE-15	Disposable plastic Gobl ets 65 mm dia 118 mm long capacity 660 Frenc h mini straws	The goblets should be made from vir gin plastic compound with size of 65 mm dia and 118 mm long. The gobl ets should withstand repeated cooli ng to Minus 196 Degree Celsius and thawing to ambient temperature.	Pack of 50 0	10
16	AIE-16	Disposable plastic Gobl ets 13 mm dia 118 mm long capacity 25 French mini straws	The goblets should be made from vir gin plastic compound with size of 13 mm dia and 118 mm long. The gobl ets should withstand repeated cooli ng to Minus 196 Degree Celsius and thawing to ambient temperature. T	Pack of 30 0	16

			he goblets should be compatible wit h the imported make straw counting and filling machine. It should acco mmodate 25 French mini straws.		
17	AIE-17	Disposable plastic Gobl ets 9.2 mm dia 118 mm long capacity 10 Frenc h mini straws	The goblets should be made from vir gin plastic compound with size of 9. 2 mm dia and 118 mm long. The go blets should withstand repeated cool ing to Minus 196 Degree Celsius an d thawing to ambient temperature. The goblets should be compatible wi th the imported make straw countin g and filling machine. It should acco mmodate 10 French mini straws.	Pack of 30 0	16
18	AIE-18	Disposable Plastics Gob lets hexagonal capacity 80 french mini straws	The goblets should be made from vir gin plastic compound Hexagonal sh ape with size of 20 mm dia and 118 mm long. The goblets should withst and repeated cooling to Minus 196 Degree Celsius and thawing to ambi ent temperature. The goblets should be compatible with the imported ma ke straw counting and filling machin e. It should accommodate 80 French mini straws.	Pack of 15 0	65
19	AIE-19	Goblets for straws 65 m m (Aluminum)	The goblets should be made from an odized aluminum with size of 65 m m diameter and 118 mm long. The e dges should be smooth. The sheet s hould be of 30 gauge.	Singl e	1000
20	AIE-20	Goblets for straws 35 m m (Aluminum)	The goblets should be made from an odized aluminum with size of 35 m m diameter and 118 mm long. The e dges should be smooth. The sheet s hould be of 30 gauge.	Singl e	2500 0
21	AIE-21	Goblets for straws 13 m m (Aluminum)	The goblets should be made from an odized aluminum with size of 13 m m diameter and 118 mm long. The e dges should be smooth. The sheet s hould be of 30 gauge.	Singl e	1000 0
22	AIE-22	Gum boots Full siz e (in pair)	Gumboots should be of light weight, made of rubber / synthetic rubber with cloth lining inner side. Sizes-8, 9, 10 Assorted Full size Height – 14 Inch with steel toe.	Singl e	1300
23	AIE-23	Gum boots Ankle siz e (in pair)	Gumboots should be of light weight, made of rubber / synthetic rubber with cloth lining inner side. Sizes 8, 9, 10 with steel toe.	Singl e	1300
24	AIE-24	Liquid Nitrogen Storage Tank 3000 Lit. Capacity	Vertical LN storage tank of 3000 litr es Cap, Super insulated to be operat ed at low pressure of 0.9 kgs/ cm^2. With warranty for vaccum and syste	Singl e	5

			m for 3 years.		
25	AIE-25	Liquid Nitrogen Storage Tank 6000 Lit. Capacity	Vertical LN storage tank of 6000 litres Cap, Super insulated to be operated at low pressure of 0.9 kgs/ cm^2 . With warranty for vaccum and system for 3 years.	Single	5
26	AIE-26	Liquid Nitrogen Storage Tank 10000 Lit. Capacity	Vertical LN storage tank of 10000 litres Cap, Super insulated to be operated at low pressure of 0.9 kgs/ cm^2 . With warranty for vaccum and system for 3 years.	Single	5
27	AIE-27	Liquid Nitrogen Transport Tanker 10000 Lit. Capacity	Liquid Nitrogen Tanker with 10000 Lit. Capacity to be mounted on transport vehicle. Warranty for 2 Years.	Single	2
28	AIE-28	Wide Mouth Frozen Semen Containers fitted with castor wheels.	Capacity 300-350 liters of liquid Nitrogen with static evaporation loss rate less than 7 liters per day. The container should accommodate about 100 no. of canisters with O.D 70-72 mm, height 520 mm. The neck diameter should be about 800 mm.The lid should be sturdy and long lasting with handles. The insulation materials used for the lids should be of good quality rigid thermo cole. It should be supplied compatible canisters, lifters for goblets, dividers, freezing grill, (perforated) and flat acrylic lid of 6-8 mm thick. It should have temperature indicator, Low temperature alarm, Level indicator & Low level alarm indicator. Warranty for 2 Years.	Single	6
29	AIE-29	Frozen Semen Storage Container 30-35 liters	Capacity 30-35 liters of liquid Nitrogen with static evaporation loss rate of 0.118 liters per day at STP, six canisters with OD 38 mm, height 120 mm. The level of liquid nitrogen from bottom should be about 33 cms. The neck diameter should be 50 mm. The container is required for storage of FS doses at Veterinary Institutions. Warranty for 2 Years.	Single	10000
30	AIE-30	Portable Frozen Semen Container 3-4 liters	Capacity 3-4 liters of liquid Nitrogen with static evaporation loss rate of 0.135 liters per day at STP, six canisters with OD 38 mm, height 120 mm. The level of liquid nitrogen from bottom should be about 20 cms. The neck diameter should be 50 mm. This container is meant for doorstep AI by private AI practitioners and should be sturdy. Wa	Single	10000

			rranty for 2 Years.		
31	AIE-31	Liquid Nitrogen Container Jumbo- 12	Capacity 45-50 liters of liquid Nitrogen with static evaporation loss rate of 0.38 liters per day at STP, 11 canisters with OD 72 mm, height 280mm. The level of liquid nitrogen from bottom should be about 42 cms. The neck diameter should be 120 mm. This container is required for storage and transport of FS doses from production centre to district Head quarters. Warranty for 2 Years.	Single	250
32	AIE-32	Liquid Nitrogen Storage and Transport Container 50-55 liters	Capacity 50-55 liters of liquid Nitrogen with static evaporation loss rate of 0.43 liters per day at STP. The neck diameter should be 50 mm. The container should be sturdy, fitted with rubber ring and rubber bottom pads to prevent friction. It should have two well placed handles. This container is required for transportation of LN from district Head Qarter to institutions. Warranty for 2 Years.	Single	250
33	AIE-33	Canisters for BA 3	Canisters for BA 3 Cryo container	Single	2500
34	AIE-34	Canisters for Jumbo 12	Canisters for Jumbo 12 Cryo container	Single	100
35	AIE-35	Spare Lids for Liquid Nitrogen (LN) Containers 3-4 lit	Spare lids for Liquid Nitrogen storage of 3-4 lit capacity	Single	2000
36	AIE-36	Spare Lids for LN Containers 35 lit	Spare lids for Liquid Nitrogen storage of 35 lit capacity	Single	2000
37	AIE-37	Spare Lids for LN Containers 51.5 lit	Spare lids for Liquid Nitrogen storage & transport of 51.5 lit capacity	Single	2000
38	AIE-38	Photo Meter bulb	Spare for IMV Photo Meter	Single	10
39	AIE-39	Cuvettes for Photo Meter (Disposable)	Made of clear plastic 45 mm long and 10 mm square compatible to IMV make Photometer. The cuvettes should not have any scratches and totally clear and transparent	Pack of 100	100
40	AIE-40	Disposable Head Caps	To be used by the staff in the laboratory. The colour should be blue or green.	Single	5000
41	AIE-41	Disposable Face Masks	To be used by the staff in the laboratory. The colour should be blue or green should have widen thread so as to have convinient at ear ends.	Single	5000
42	AIE-42	Shoe covers	Disposables.The colour should be blue or green.	Single	2000
43	AIE-43	Gloves Surgical sterile 6 inches	6 Size Latex surgical Gloves BIS in pair	Single	2000

44	AIE-44	Gloves Surgical sterile 6 ½ inches	6 1/2" Size Latex surgical Gloves BIS in pair	Single	2000
45	AIE-45	Gloves Surgical sterile 7 inches	7 Size Latex surgical Gloves BIS in pair	Single	2000
46	AIE-46	Gloves Surgical sterile 7 ½ inches	7 1/2" Size Latex surgical Gloves BIS in pair	Single	2000
47	AIE-47	Disposable Hand gloves	superior nitrile gloves, 50 pair pack Textured, Powder Free,Latex free, Ambidextrous with sizes of Medium, Large and X- Large	Single	2000
48	AIE-48	Aspiration cones	It should be compatible to IMV filling and sealing IS 4 machine	Pack of 100	100
49	AIE-49	Semen Filling Flexible Tubes	Tubes couple 290 mm long. Flexible tubes connecting the IMV Make IS4 filling sealing machine and unplugged straws.	Pack of 60 Tubes	250
50	AIE-50	SS Long Aspiration Needles	The SS long aspiration needles should be compatible with IMV Make IS 4 straw filling and sealing machine suitable for filling 0.25ml straws. The filling end of needle should match with dimensions of French Mini straws.	Single	100
51	AIE-51	SS Short Aspiration Needles	The SS short aspiration needles should be compatible with IMV Make IS 4 straw filling and sealing machine suitable for filling 0.25ml straws. The filling end of needle should match with dimensions of French Mini straws.	Single	100
52	AIE-52	Aspiration & Filling Needle Boots	It should tighten properly while filling the straws and compatible for IMV make IS4 filling integrated system	Pack of 100	10
53	AIE-53	Filling sealing machine Teflon Needle Holders	It should fix the needle firmly while filling the straws for IMV Make IS4 Machine	Single	5
54	AIE-54	Dipstick for LN2 container	Made of plastic should have double graduation in Cms and inches for 1 meter.	Single	10000
55	AIE-55	AI Gun Containers	The AI gun container should be made rigid PVC with the following dimensions 470 mm long 25 mm O.D. and 1 mm thick. It should be of white colour. It should have lids at both ends, which can be removed easily	Single	10000
56	AIE-56	AI Gun for French Mini Straws (0.25 ml) - (Imported) -	Made of non magnetic grade 304 Stainless steel body and piston, with one ring of metallic lock on body for locking of sheath and suitable for 0.25 ml/0.5ml straws and split / unsplit sheats. (ISO Certified)	Single	10000

57	AIE-57	AI Sheaths split (Imported)	Sterile AI sheath of 443 ± 1 mm with outer diameter of 4.3 ± 0.15 mm suitable for 0.25 ml French mini straws made of transparent polyvinyl chloride and packed in single sterile polythene tear pack with 4 sided sealed pack. The sheath should have a split, match with standard imported AI gun, and fit with the straw. The sheath should have plastic bead to hold the straw, which should move smoothly in the sheath. Bundle of 50 such sheaths in a sterile thick polythene pack. (ISO Certified)	Pack of 50	50000
58	AIE-58	AI Sheaths Unsplit suitable for Spiral Gun for 0.25 ml Straws (Imported)	Sterile AI sheath suitable for 0.25 ml French mini straws made of transparent polyvinyl choloride and packed in single sterile polythene tear pack at rear and sealed on 4 sides. The sheath should not have any split, match with spiral imported AI gun, and fit with the straw. The sheath should have plastic bead to hold the straw, which should move smoothly in the sheath. Length:443 mm, ID:4.1 mm, OD: 4.3 ± 0.15 mm. Bundle of 50 sheaths in a sterile thick polythene pack. (ISO Certified)	Pack of 50	50000
59	AIE-59	AI Thawing Monitor (Card model) Disposable	For visual temperature made of triple laminated with temperature zone of 32 - 42°c	Single	12000
60	AIE-60	Forceps for Frozen Semen Goblets 12 inches	Made of stainless steel, 12" long, suitable for lifting goblets with frozen semen straws. The tip should have grooves to grip the goblet tightly.	Single	10000
61	AIE-61	Forceps for Frozen Semen Goblets 16 inches	Made of stainless steel, 16” long, suitable for lifting goblets with frozen semen straws. The tip should have grooves to grip the goblet tightly	Single	10000
62	AIE-62	Insemination Gloves	Full arm length 36 Inch size, LDPE disposable gloves with five fingers. The thickness should be 23 ± 3 microns and above. The joints should be strong and non-leaky. The gloves should be smooth, soft and harmless to the mucus membrane of cow / buffalo and also to the inseminator’s hand. Coloured gloves in Red/Pink/Orange/Blue. (ISO Certified)	Box of 150 Gloves	1 lakh
63	AIE-63	Sheath Carrier / Sheath Container	It should be made of rigid PVC of 470 mm long, 50 mm OD and 2 mm thickness. It should be of white colour have good quality lids at both ends	Single	10000

			which can be removed easily and m aintain dust proof condition inside t he container		
64	AIE-64	Aprons Gynaecology	Aprons for gynaecological work, 5 fe et length & 3 feet width Thickness 1 0-15Microns The apron should be made of synthetic material (Rexin/r ubber latex) and provided with braid ed cotton ends at the middle for tyi ng	Singl e	1000 0
65	AIE-65	Aprons	Steriwear - White & Blue. Standard l ength with full arms, open collar wit h screen print name - logo, pocket, DACRON-M/LINTEX- D Fabric-Size XXL,XL & L	Singl e	1000
66	AIE-66	Frozen Semen Straw Lif ter	SS- L shaped designed to lift semen straws with vertical serrations made at the tip	Singl e	500
67	AIE-67	Trollies for LN container s	Fixed with wheels and must be suita ble for Jumbo 12 and TA 55 contain ers	Singl e	50
68	AIE-68	Rubber Mat for livestoc k	Should have non skid surface, comf ortable for any size 8 feet size length 5 feet width. Simple to piece togethe r without locking facility. high qualit y water proof made of sturdy and du rable material which is eco friendly.	Singl e	1000
69	AIE-69	Rubber Mat for livestoc k	Should have non skid surface, comf ortable for any size 8 feet size length 5 feet width. Simple to piece togeth er with interlocking facility (Puzzle p iece model) high quality water proof made of sturdy and durable material which is eco friendly.	Singl e	1000
70	AIE-70	Rubber Mat for livestoc k	Should have non skid surface, comf ortable for any size 10 feet size lengt h 6 feet width. Simple to piece toget her without locking facility. high qu ality water proof made of sturdy and durable material which is eco friend ly.	Singl e	1000
71	AIE-71	Rubber Mat for livestoc k	Should have non skid surface, comf ortable for any size 10 feet size lengt h 6 feet width. Simple to piece toget her with interlocking facility (Puzzle piece model) high quality water proo f made of sturdy and durable materi al which is eco friendly.	Singl e	1000
72	AIE-72	Digital AI gun	With LED light, video system water proof LED camera connected to an outside screen. The instrument sho uld be able to locate the cervical O.S fast in all indigenous cattle and buf	Singl e	500

			faloes with a facility for AI gun a pus hable handle along the gun into cerv ix to a known depth. The camera a nd gun should be protector and sho uld be made of washable, non corro sive components.		
73	AIE-73	Dehorning Paste for Cal ves	Dehorning paste for Calves to preve nt horn growth, 114 gm	Singl e	3000
VEQ - VETERINARY EQUIPMENT					
74	VE Q-1	Absorbable Eyeless Nee dle Sutures 50 mm	Polyglycolic Acid Absorbable Eyeless Needle Sutures 50 mm Heavy 1/2 Circle Round Bodied Heavy, Size No. 1, 100 Cm	One b ox of 12 foi ls	100
75	VE Q-2	Absorbable Eyeless Nee dle Sutures 50 mm	Polyglycolic Acid Absorbable Eyeless Needle Sutures 50 mm Heavy 1/2 Circle Round , Bodied Heavy,Size No .2, 100 Cm	One b ox of 12 foi ls	100
76	VE Q-3	Absorbable Eyeless Nee dle Sutures 50 mm	Polyglycolic Acid Absorbable Eyeles s Needle Sutures 50 mm Heavy 1/2 Circle Round Bodied, Size No. 1-0,1 00 Cm	One b ox of 12 foi ls	100
77	VE Q-4	Absorbable Eyeless Nee dle Sutures 50 mm	Polyglycolic Acid Absorbable Eyeles s Needle Sutures 50 mm Heavy 1/2 Circle Round Bodied, Size No. 2-0,1 00 Cm	One b ox of 12 foi ls	100
78	VE Q-5	Absorbable Eyeless Nee dle Sutures 50 mm	Size No. 2 without needle preferably 150 cm length	One b ox of 12 foi ls	100
79	VE Q-6	Absorbable Eyeless Nee dle Sutures 50 mm	Polyglycolic Acid Absorbable Eyeless Needle Sutures 50 mm Heavy 1/2 Circle reverse cutting Bodied Heavy, Size No.2, 100 Cm	One b ox of 12 foi ls	100
80	VE Q-7	Absorbable Eyeless Nee dle Sutures 50 mm	Polyglycolic Acid Absorbable Eyeless Needle Sutures 50 mm Heavy 1/2 Circle double needle Heavy, Size No .1, 180 Cm	One b ox of 12 foi ls	100
81	VE Q-8	Artery Forceps	6" SS, Straight (heavy duty)	Singl e	1000
82	VE Q-9	Artery Forceps	6", SS, Curved(heavy duty)	Singl e	1000
83	VE Q-1 0	Artery Forceps	8" SS, Straight (heavy duty)	Singl e	200
84	VE Q-1 1	Artery Forceps	8" SS, Curved (heavy duty)	Singl e	200
85	VE Q-1 2	Artery Forceps	10" SS, Straight	Singl e	200
86	VE Q-1	Artery Forceps	10'' SS, Curved	Singl e	200

	3				
87	VEQ-14	Automatic Drenching Gun - Cum - Vaccinator (Syringe 20 ml)	Graduated transparent plastic barrel with moulded markings. Dose easily adjustable from 1 ml to 20 ml with 1 ml increments. Standard 4" drench nozzle. Complete with leurlock adapter (for injectable use), feed tube and 2.5 ltr reservoir with graduations engraved in ml/litre. Should be light weight, aluminium body. The piston should have double silicone 'O' rings.	Single	100
88	VEQ-15	B.P. Blades Sterile	No.10 SS (BIS / As per Drug Act)	Pack of 100	500
89	VEQ-16	B.P. Blades Sterile	No.11 SS (BIS / As per Drug Act)	Pack of 100	500
90	VEQ-17	B.P. Blades Sterile	No.20 SS (BIS / As per Drug Act)	Pack of 100	500
91	VEQ-18	B.P Blades Sterile	No.21 SS (BIS / As per Drug Act)	Pack of 100	500
92	VEQ-19	B.P Blades Sterile	NO.22 SS BIS/ As per Drug Act)	Pack of 100	500
93	VEQ-20	B.P. Handle	No.3 SS (BIS / As per Drug Act)	Single	500
94	VEQ-21	B.P. Handle	No.4 SS (BIS / As per Drug Act)	Single	500
95	VEQ-22	Bandage Roll - Gauze	10cmx4mtrs (Closely Woven)	Single	1000
96	VEQ-23	Bandage Roll - Gauze	15cmx4mtrs (Closely Woven)	Single	1000
97	VEQ-24	Bandage cloth	10x10 mts (guaze tan)	Single	1000
98	VEQ-25	Antiseptic dressing pads	Chlorhexidine dressing gauze 10x10 cm, Pack of 10	Pack of 10	500
99	VEQ-26	Bone Drill - Universal	Standard SS with Chuck and key / power operated required	Single	100
100	VEQ-27	Bone holding forceps	6 inches-SS	Single	100
10	VE	Bone holding forceps	8 inches-SS	Singl	100

1	Q-28			e	
102	VEQ-29	Buckets - SS without lid	12 Litres	Single	100
103	VEQ-30	Casting Rope	3/4" Cotton, Leather bound end. 25 ft in length	Single	100
104	VEQ-31	Casting Rope	3/4" Cotton, Leather bound end 40 ft in length	Single	100
105	VEQ-32	Castrator - Imported (Bovine)	Size 19", Castrator should be imported with Manufacturer's Logo or Trade Name for identification. It should be made of stainless steel and fitted with Castrating Forcep 48cm with one spanner in a plastic case.	Single	50
106	VEQ-33	Castrator Imported (Ovine)	Size 9", Castrator should be imported with Manufacturer's Logo or Trade Name for identification. It should be made of stainless steel. A stainless steel spanner should also be supplied for tightening the screws.	Single	50
107	VEQ-34	Clinical Thermo meter-Veterinary - Mercury	With Options for both Centigrade and Fahrenheit	Single	3000
108	VEQ-35	Clinical Thermo meter with LCD Display unbreakable plastic with flexible tip	With Options for both Centigrade and Fahrenheit. Battery operated	Single	2000
109	VEQ-36	Cotton wool (Absorbent)	400 gm net weight, interlined	Single	1000
110	VEQ-37	Dehorner Electrical	Electrical operated fixed with wooden handle;5 amp. 3 pin plug & wire both with ISI standards	Single	100
111	VEQ-38	Dehorning saw (Hack Saw)	With detachable SS blade of 30cms. Length / power operated preferred	Single	10
112	VEQ-39	Desmotomy Set	Set of BP Handle No.3 (1 No.), BP Blade No.11 (5 No.s), Groove Director (1 No.), Traumatic Needle 1/2 curved (1 No.), Nylon thread (1 No.) roll, SS Scissors both ends point 6" (1 No.) in PVC box	Single	100
113	VEQ-40	Doyens Intestinal Clamps	Straight Size 10"	Single	50
114	VEQ-41	Doyens Intestinal Clamps	Straight Size 6"	Single	50
11	VE	Dressing Forceps	6", Plain, SS (BIS - Drugs Act Specifi	Singl	50

5	Q-42		cation)	e	
116	VEQ-43	Dressing Forceps	8", Plain, SS (BIS - Drugs Act Specification)	Single	100
117	VEQ-44	Dressing Drum S.S. Seamless	Size in mm 275x132mm (IS-3831-1979)	Single	200
118	VEQ-45	E.C.G for Dogs	Single Channel ECG, Complete digital and portable design, Vivid waveform display, Built-in rechargeable Li-ion battery, AC/DC power supply, Auto/Manual work mode selectable, Lead-off detection and display, Complete digital filtering, resisting baseline drift, AC and EMG interference, Baseline automatically adjustable to optimize printing position, High-resolution thermal printing, Input Circuit - Protection from defibrillation, Lead-Standard 7 leads, Acquisition - Single lead, A/D Resolution - 12 bits, Measurement Range - +5mVpp, Time Constraint - 3.2s, Frequency Response - 0.05Hz- 150Hz, Calibration Voltage - 1m V+ 3%, Sensitivity - 2.5, 5, 10, 20 (mm/mV), Power Supply - AC: 100V- 115V/220V-240V, 50/50Hz - Built-in rechargeable Li- ion battery more than 3 hrs continuous work under battery supply. Display - 192x64 dots LCD. 2 years manufacturers warranty.	Single	5
119	VEQ-46	Endoscopy for Small Animals	Multi-Purpose Video endoscope-60714 PKS/NKS- Sheath-7.9 mm, Working Length - 140 cm, Working Channel- 2.8 mm, Deflection up-210 Degrees, Deflection down-100 Degrees, Left/right- 120 Degrees.Recommended instruments: for use with 60714 PKS/NKS: 60250 LT - Biopsy Forceps, oval cupped jaws, serrated, diameter 2.2 mm, working length 200 cm, 60252 LZ Grasping Forceps, serrated, with 1x2 teeth, diameter 2.3 mm, working length 200 cm, 60278 FK Foreign Body Basket, diameter 2.4 mm, length 200 cm, 60773 LA Polypectomy Snare, complete, with Handle 60773 H, large, diameter 2.4 mm, length 200 cm. with monitor, laptop and recording facility . 2 years ma	Single	5

			nufacturers warranty. Irrigator and i nsuffalator facility with additional li ght source		
120	VEQ-47	Endo-tracheal Tube wit h Cuff Disposable	Size 6,"	Singl e	50
121	VEQ-48	Endo-tracheal Tube wit h Cuff Disposable	Size 7 "	Singl e	50
122	VEQ-49	Endo-tracheal Tube wit h Cuff Disposable	Size 8"	Singl e	50
123	VEQ-50	Endo-tracheal Tube wit h Cuff Disposable	Size 3"	Singl e	50
124	VEQ-51	Endo-tracheal Tube wit h Cuff Disposable	Size 3.5 "	Singl e	50
125	VEQ-52	Endo-tracheal Tube wit h Cuff Disposable	Size 4 "	Singl e	50
126	VEQ-53	Endo-tracheal Tube wit h Cuff Disposable	Size 4.5''	Singl e	50
127	VEQ-54	Endo-tracheal Tube wit h Cuff Disposable	Size 5 "	Singl e	50
128	VEQ-55	Endo-tracheal Tube wit h Cuff Disposable	Size 5.5"	Singl e	50
129	VEQ-56	Feeding Cup	S.S, 250 ml	Singl e	1000
130	VEQ-57	Metal detector	light weight - made of non-corrosive material , circular coil dimension - 2 0 to 30 cm with LED display , operat ing temperature -20 to + 55 degrees Celsius. Should be able to differenti ally detect to detonators placed at 1 feet apart. Visual as well audio sign al , volume control , sensitivity contr ol. , with batteries, operational life 8 yrs, warranty should be two years.	Singl e	200
131	VEQ-58	Forceps 4"inch blunt en ds	4" inch, with blunt ends with serrati ons, stainless steel for Histology	Singl e	50
132	VEQ-59	Forceps 4" inch pointed ends	4" inch, with pointed ends, stainless steel for Histology	Singl e	50
133	VEQ-60	Forceps Thumb Rat toot hed	8", SS, Rat Toothed (2 over one)	Singl e	100

134	VEQ-61	Forceps Thumb Rat toothed	6", SS, Rat Toothed (2 over one)	Single	100
135	VEQ-62	Forceps Tissue 10''	10" Size, Alley's (4 Over 3) use babcocks instead of alleys	Single	100
136	VEQ-63	Forceps Tissue 6''	6" Size, Alley's (4 Over 3)	Single	100
137	VEQ-64	Forceps Tissue- 8''	8" size, Alley's (5 Over 4)	Single	100
138	VEQ-65	Forceps - Curved-Serrated tip	5 1/2" Paddle handle, curved, serrated tip, Stainless Steel, for Histology	Single	100
139	VEQ-66	Forceps - Curved-Smooth tip	5 1/2" Paddle handle, curved, smooth tip, Stainless Steel, for Histology	Single	100
140	VEQ-67	Forceps - Straight-Serrated tip	5 1/2" Paddle handle, straight, serrated tip, Stainless Steel, for Histology	Single	100
141	VEQ-68	Forceps - Straight-Smooth tip	5 1/2" Paddle handle, straight, smooth tip, Stainless Steel, for Histology	Single	100
142	VEQ-69	Forceps Curved	4 1/2'' heat resistant forceps, Stainless Steel	Single	100
143	VEQ-70	Forceps -Sraight-Neddle tip	5 1/2" Paddle handle, straight, needle tip, Stainless Steel for Histology	Single	100
144	VEQ-71	Forceps Thumb Plain	8" SS	Single	100
145	VEQ-72	Forceps Thumb Plain	6 " SS	Single	100
146	VEQ-73	Gloves Obstetrical	22" Length, Latex Full Armed	Single	250
147	VEQ-74	Hydraulic Surgery and Examination Table for Small Animals	Complete SS make, Tilt-Top mechanism, 20''×60''×36'' (W×L×H), 150 kg weight bearing capacity, Tie down & duplex electric outlet, Hydraulic operated smooth lowering & lifting function, Heavy duty 220V AC, Adjustable floor glides, Four heavy duty swivel casters with brakes, Waterproof casing hydraulic system, SS hydraulic lines, Several drain holes with felt cushion	Single	25
148	VEQ-7	Ice Box with Lid	5 Lit. Capacity to store biologicals with BIS Specifications	Single	1000

	5				
149	VEQ-76	Ice Box with Lid	20 Lit. Capacity to store biologicals with BIS Specifications	Single	1000
150	VEQ-77	Instrument cabinet	Height 5",width 3", depth 1.5" excluding 4"pedestal with height adjustment leveler. Welded construction with Virgin CRCA steel sheet of 0.8mm thickness backside & sides and door frames & 0.9mm thickness CRCA for all other components.Transparent acrylic sheet paneling on sides and front doors. 4 no 8mm thickness toughtened glass adjustable shelves. All surfaces epoxy powder coated to the thickness of 50 microns ±10 (as per IS 13871) with phosphate treated pre finish (as per IS 3618)	Single	100
151	VEQ-78	Instrument Tray S.S. Seamless without Lid with stand	Size in mm - 480x330x19; Size in inches - 19x13x3/4 with provision for height adjustment	Single	100
152	VEQ-79	Instrument Tray with Lid S.S.	Size in mm - 310x 195 x 63,	Single	100
153	VEQ-80	Instrument Trolley	SS Top, Wheel type Railings around Standard Size with castors with drawers	Single	100
154	VEQ-81	Instruments Sterilizer	Instruments Sterilizer S.S. Seamless Table Model, Size in Inches 12''X6'' X5'' Small, (With Thermo Stat) extra filament shall be supplied	Single	500
155	VEQ-82	Intravenous Set complete with hypodermic 18 G (1.5") needle	Intravenous Set complete with needle (18 G) made up of PVC Material tested for Biocompatability as per IS (Disposable type Each)	Single	3000
156	VEQ-83	Infrared lamp with bulb	150W, HP 3616/01 adjustability: 0-40 Degree (IEC certified)	Single	100
157	VEQ-84	Irrigator Can with Tubing	Irrigator (Douch Can) SS with PVC or Rubber tube, Capacity 1.5 litre. With Handle, Hook and Nipple	Single	100
158	VEQ-85	Irrigator Can Tube 3 meters	Three meters length made of PVC or Rubber tube with rounded ends.	Single	100
159	VEQ-86	Kidney Tray	Kidney Tray S.S. As per IS 3992-1982 (Heavy Quality) Size: 6"	Single	1000
160	VEQ-87	Kidney Tray	Kidney Tray S.S. As per IS 3992-1982 (Heavy Quality) Size: 8"	Single	1000
161	VEQ-8	Kidney Tray	Kidney Tray S.S. As per IS 3992-1982 (Heavy Quality) Size: 10"	Single	1000

	8				
162	VEQ-89	Kidney Tray	Kidney Tray S.S. As per IS 3992-1982 (Heavy Quality) Size:12"	Single	1000
163	VEQ-90	K-Wire	1 mm	Single	100
164	VEQ-91	K-Wire	1.5mm	Single	100
165	VEQ-92	K-Wire	2mm	Single	100
166	VEQ-93	K-Wire	2.5mm	Single	100
167	VEQ-94	Laryngoscope with light (Battery operated)	With 3 different size Blade suitable for Large and Small dogs	Single	50
168	VEQ-95	Mayo Trolley	SS Body with Castors	Single	50
169	VEQ-96	Mosquito Forceps	4", Size, SS, Halstead Curved	Single	50
170	VEQ-97	Mosquito Forceps	5", Size, SS, Halstead Curved	Single	50
171	VEQ-98	Mouth Gag for Cattle	Christophers Mouth Gag, SS, Screw type Butlers mouth gag	Single	50
172	VEQ-99	Mouth Gag for Canine	Mouth gag for Canines, SS, Standard	Single	50
173	VEQ-100	Nail cutter with Cutting edges for Dogs	4'', SS, scissors type	Single	50
174	VEQ-101	Nail cutter with Cutting edges for Dogs	8'', SS, scissors type	Single	50
175	VEQ-102	Needle Destroyer	Power operated as per ISI specifications,Minimum 3 years manufacturer's warranty	Single	50
176	VEQ-103	Needle Holding Forceps	6", SS, Straight box joint Type, Olsen Hegar	Single	100
177	VEQ-104	Needle Holding Forceps	8", SS, Straight box joint Type, Olsen Hegar	Single	100
178	VEQ-105	Needle Suturing with Eye	Colt's Tension needle	Pack of 6	100

179	VEQ-106	Needle Suturing with Eye	1 mm - 2", Traumatic SS, Curved	Pack of 6	100
180	VEQ-107	Needle Suturing with Eye	1 mm ", 2", Atraumatic curved. SS	Pack of 6	100
181	VEQ-108	Needle Suturing with Eye	Atraumatic, half curved, 1 mm - 1 1/2 ", SS	Pack of 6	100
182	VEQ-109	Needle Suturing with Eye	Atraumatic, half curved, 1 mm - 2", SS	Pack of 6	100
183	VEQ-110	Needle Suturing with Eye	1 mm - 1 1/2 " Traumatic straight, SS	Pack of 6	100
184	VEQ-111	Needle Suturing with Eye	1 mm - 2", Traumatic straight, SS	Pack of 6	100
185	VEQ-112	Needle Suturing with Eye	1 mm - 2 1/2" Traumatic straight, SS	Pack of 6	100
186	VEQ-113	Needle Suturing with Eye	Holm's needle	Pack of 6	100
187	VEQ-114	Non-Absorbable Eyeless Needled Sutures	Monofilament Polypropylene Non-Absorbable Eyeless Needled Sutures (30 mm Heavy) 1/2 Circle. No.1 Size: 90cm (12 Foils) traumatic needle	Pack of 12	100
188	VEQ-115	Non-Absorbable Eyeless Needled Sutures	Monofilament Polypropylene Non-Absorbable Eyeless Needled Sutures, 1/2 Circle. No.2 Size: 90cm (12 Foils), traumatic needle	Pack of 12	100
189	VEQ-116	Non-Absorbable Eyeless Needled Sutures	Monofilament Polypropylene Non-Absorbable Eyeless Needled Sutures, 1/2 Circle. No.1-0 Size: 90cm (12 Foils), traumatic needle	Pack of 12	100
190	VEQ-117	Nylon (Monofilament), Non- Absorbable	No.2 Roll, 1	Single	100
191	VEQ-118	Nylon (Monofilament), Non- Absorbable	No.2 Roll, 1-0	Single	100
192	VEQ-119	Nylon (Monofilament), Non- Absorbable	No. 3 Roll, 1	Single	100
193	VEQ-120	Nylon (Monofilament), Non- Absorbable	No. 3 Roll, 1-0	Single	100
194	VEQ-121	Orthopedic wire tightner	5 '' wire cutter and twister	Single	50
19	VE	Pestle & Mortar	500 ml Porcelain	Singl	500

5	Q-122			e	
196	VEQ-123	Pestle & Mortar	1 Lit. Porcelain	Single	500
197	VEQ-124	Pin Cutter	Stainless Steel Make for cutting steinmann pins 2 Up to 6 mm sized pin	Single	50
198	VEQ-125	Plaster of Paris Bandage	2.7 mtrs x10 cms- ISI standards	Single	1000
199	VEQ-126	Plaster of Paris Bandage	2.7 mtrs x15 cms- ISI standards	Single	1000
200	VEQ-127	Fiber Glass cast	3 inches, 6 inches	Single	1000
201	VEQ-128	Poly Glycolic Acid, Synthetic Absorbable	Poly Glycolic Acid, Synthetic Absorbable (PGA Sutures) With Needle, 50 mm Heavy 1/2 Circle Round Body, Length:100 Cm, Size: 2	Box of 12 Foils	50
202	VEQ-129	Poly Glycolic Acid, Synthetic Absorbable	Poly Glycolic Acid, Synthetic Absorbable (PGA Sutures) With Needle, 50 mm Heavy 1/2 Circle Round Body, Length:100 Cm, Size: 1	Box of 12 Foils	50
203	VEQ-130	Poly Glycolic Acid, Synthetic Absorbable	Poly Glycolic Acid, Synthetic Absorbable (PGA Sutures) With Needle, 50 mm Heavy 1/2 Circle Round Body, Length:100 Cm, Size: 1-0	Box of 12 Foils	50
204	VEQ-131	Poly Glycolic Acid, Synthetic Absorbable	Poly Glycolic Acid, Synthetic Absorbable (PGA Sutures) With Needle, 50 mm Heavy 1/2 Circle Round Body, Length:100 Cm, Size: 2-0	Box of 12 Foils	50
205	VEQ-132	Poly Glycolic Acid, Synthetic Absorbable	Poly Glycolic Acid, Synthetic Absorbable (PGA Sutures) With Needle, 50 mm Heavy 1/2 Circle Round Body, Length:100 Cm, Size: 3-0	Box of 12 Foils	50
206	VEQ-133	Polyglactin	Polyglactin, Synthetic Absorbable (Sutures) With Needle, 50mm Heavy 1/2 Circle Round Body, Length:100 Cm, Size: 2	Box of 12 Foils	50
207	VEQ-134	Polyglactin	Polyglactin, Synthetic Absorbable (Sutures) With Needle, 50mm Heavy 1/2 Circle Round Body, Length:100 Cm, Size: 1-0	Box of 12 Foils	50
208	VEQ-135	Polyglactin	Polyglactin, Synthetic Absorbable (Sutures) With Needle, 50mm Heavy 1/2 Circle Round Body, Length:100 Cm, Size: 1	Box of 12 Foils	50
209	VEQ-136	Polyglactin	Polyglactin, Synthetic Absorbable (Sutures) With Needle, 50mm Heavy 1/2 Circle Round Body, Length:100 C	Box of 12 Foils	50

			m, Size: 2-0		
210	VEQ-137	Polyglactin	Polyglactin, Synthetic Absorbable (Sutures) With Needle, 50mm Heavy 1/2 Circle Round Body, Length:100 Cm, Size: 3-0	Box of 12 Foils	50
211	VEQ-138	Polyamide Non-absorbable	Suture material size 2/0	Single	50
212	VEQ-139	Polyamide Non-absorbable	Suture material size 1/0	Single	50
213	VEQ-140	Polyamide Non-absorbable	Suture material size 1	Single	50
214	VEQ-141	Polyamide Non-absorbable	Suture material size 2	Single	50
215	VEQ-142	Polyamide Non-absorbable	Suture material size 3	Single	50
216	VEQ-143	Proban g (Stomach Tube for Cattle)	Flexible stomach tube for cattle with BIS standards with steel ends length 2 mts required	Single	50
217	VEQ-144	Proban g (Stomach Tube for Cattle)	Flexible stomach tube for cattle with BIS standards with steel ends length 3 mts required	Single	50
218	VEQ-145	Proban g (Stomach Tube for Cattle)	Flexible stomach tube for cattle with BIS standards with steel ends length 4mts required	Single	50
219	VEQ-146	Probe Metal	8'' Size.S.S	Single	50
220	VEQ-147	Rubber Sheeting	1.0 x 3 mtrs, Heavy	Single	50
221	VEQ-148	Saline Stand	SS with stable heavy base with adjustable height	Single	100
222	VEQ-149	Scalp vein set- Sterile Disposable	20 Gauge	Pack of 100	100
223	VEQ-150	Scalp vein set- Sterile Disposable	21Gauge	Pack of 100	100
224	VEQ-151	Scalp vein set- Sterile Disposable	22 Gauge	Pack of 100	100
225	VEQ-152	Scalp vein set- Sterile Disposable	24 Gauge	Pack of 100	100
226	VEQ-	Scissors Curved	6'', SS, One end Sharp / One end Blunt	Single	500

	53				
227	VEQ-154	Scissors Curved	8'', SS, One end Sharp / One end Blunt	Single	500
228	VEQ-155	Scissors dissecting (Metzenbaum type)	8'', SS Curved, both ends Blunt	Single	500
229	VEQ-156	Scissors dissecting (Metzenbaum type)	6'', SS Curved, both ends Blunt	Single	500
230	VEQ-157	Scissors for Hair clipping	8'' Straight, carbon steel	Single	500
231	VEQ-158	Scissors Straight 6'' both ends pointed	6'', SS, both ends pointed	Single	500
232	VEQ-159	Scissors Straight 6'' both ends blunt	6'', SS, both ends blunt	Single	500
233	VEQ-160	Scissors Straight 6'' One end pointed and One end Blunt	6'', SS, One end pointed and One end Blunt	Single	500
234	VEQ-161	Scissors Straight 8" both ends blunt	8'', SS, both ends blunt	Single	500
235	VEQ-162	Scissors Straight 8" both ends pointed	8'', SS, both ends pointed	Single	500
236	VEQ-163	Scissors Straight 8"one end pointed & one end blunt	8'', SS, One end Blunt and other end Pointed	Single	500
237	VEQ-164	Scissors Straight 10" both end pointed	10" SS both ends pointed	Single	500
238	VEQ-165	Scoop small	6'' Size, SS	Single	100
239	VEQ-166	Veterinary Shadowless lamp Stand Model (with set of spare bulbs)	Excellent cold light:adopting LED as light source,without temperature rising. Excellent daylight quality and CRI meet the illumination needs of the doctors. Excellent lighting effect:unique optical system,homogenous light spot,high-definition. Brightness Adjustment: Micro computer digital control,with 8 shifts luminance for selection and it offers illuminance memory function and wide voltage working speciality. Long service life:LED life is up to 30,000 hours. Energy saving and en	Single	2

			vironment-friendly. Flexible and stable balance arm suspension system contents various requirement on height and angle. Illuminance: 100,000 Lux, Color temperature: 4800±200 K, Color reduction index: 96, Total irradiance: 420W/m2, Spot diameter: 120-240mm, Illuminance depth: 1050 mm, lamp head diameter: 550 mm, Rated power of bulb: 3.2v/1w, LED Service life of illuminant: 30,000 hrs		
240	VEQ-167	Shadowless lamp Modular in operation theatre (with set of spare bulbs)	Veterinary Ceiling LED Shadowless Operating Lamp. Ceiling LED medical vet shadowless lamp features: bright, low temperature, no shadow, soft light, convenient disinfection lamp body design. • Power supply voltage: 220V/50HZ, • Input power: 150W, • Color temperature: 4000 + - 500k. • Illumination: 50000LX • Bulb: 25*5W Illumination Ec at 1 working distance (Bet-6 / Mobile Beta-6) 120,000Lux (Beta 6+6) 1, 20,000 + 1,20,000 Lux, Focusable light field size d10 at 1 m distance, 150-300mm	Single	2
241	VEQ-168	Silk thread reel (Black braided)	Size No.1x25m length	Single	100
242	VEQ-169	Silk thread reel (Black braided)	Size No.2x25m length	Single	100
243	VEQ-170	Silk thread reel (Black braided)	Size No.3x25m length	Single	100
244	VEQ-171	Small animal examination table	2x4x3 feet heavy SS top, non rusty 4 years manufacturer's replacement warranty with central or eccentric receptacle for drainage of fluid	Single	100
245	VEQ-172	Spatula	SS body with wooden handle 8"	Single	20
246	VEQ-173	Steinmann Pins (with one end bevelled tip and one end thread ------ pins with both ends pointed)	3mm (each 12" length with double trocar)	Single	20
247	VEQ-174	Steinmann Pins (with one end bevelled tip and one end thread ------ pins with both ends poi	3.5mm (each 12" length with double trocar)	Single	20

		nted)			
248	VEQ-175	Steinmann Pins (with one end bevelled tip and one end thread ------ pins with both ends pointed)	4mm (each 12" length with double trocar)	Single	20
249	VEQ-176	Steinmann Pins (with one end bevelled tip and one end thread ------ pins with both ends pointed)	4.5mm (each 12" length with double trocar)	Single	20
250	VEQ-177	Steinmann Pins (with one end bevelled tip and one end thread ------ pins with both ends pointed)	5mm (each 12" length with double trocar)	Single	20
251	VEQ-178	Steinmann Pins (with one end bevelled tip and one end thread ------ pins with both ends pointed)	5.5mm (each 12" length with double trocar)	Single	20
252	VEQ-179	Steinmann Pins (with one end bevelled tip and one end thread ------ pins with both ends pointed)	6mm (each 12" length with double trocar)	Single	20
253	VEQ-180	Sterile Disposable surgical drapes	Plastic: 2ft x 2ft	Single	500
254	VEQ-181	Sterile Disposable surgical drapes	Plastic: 4ft x 6ft	Single	500
255	VEQ-182	Stetho scope	An ISO 9001-2008. Aluminium anodized chest piece with special diaphragm light weight compact and dual frequency seamless PVC tubing in different colors, Brass chrome plated concealed frame and soft ear knobs maximium sound conduction quality.	Single	500
256	VEQ-183	Surgical Diathermy unit	With mono polar and bi-polar leads; Blend, Cutting, Coagulation controls Size :310 (L)x 280 (w)x150 (H), Input Supply : 230V AC , E-Light 200 watts	Single	20
257	VEQ-184	Suturing needles with eye	Traumatic with cutting edge half circle 1/2 No: 1	Pack of 10	20
258	VEQ-185	Suturing needles with eye	Traumatic with cutting edge half circle 1/2 No: 2	Pack of 10	20
25	VE	Suturing needles with e	Traumatic with cutting edge half cir	Pack	20

9	Q-186	ye	cle 1/2 No: 3	of 10	
260	VEQ-187	Suturing needles with eye	Traumatic with cutting edge half circle 1/2 No: 4	Pack of 10	20
261	VEQ-188	Suturing needles with eye	Traumatic with cutting edge half circle 1/2 No: 7	Pack of 10	20
262	VEQ-189	Suturing needles with eye	Traumatic with cutting edge half circle 1/2 No: 8	Pack of 10	20
263	VEQ-190	Suturing needles with eye	Traumatic with cutting edge half circle 1/2 No: 9	Pack of 10	20
264	VEQ-191	Suturing needles with eye	Traumatic with cutting edge 3/8 circle No: 1	Pack of 10	20
265	VEQ-192	Suturing needles with eye	Traumatic with cutting edge 3/8 circle No: 2	Pack of 10	20
266	VEQ-193	Suturing needles with eye	Traumatic with cutting edge 3/8 circle No: 3	Pack of 10	20
267	VEQ-194	Suturing needles with eye	Traumatic with cutting edge 3/8 circle No: 4	Pack of 10	20
268	VEQ-195	Suturing needles with eye	Traumatic with cutting edge 3/8 circle No: 7	Pack of 10	20
269	VEQ-196	Suturing needles with eye	Traumatic with cutting edge 3/8 circle No: 8	Pack of 10	20
270	VEQ-197	Suturing needles with eye	Traumatic with cutting edge 3/8 circle No: 9	Pack of 10	20
271	VEQ-198	Suturing needles with eye	Traumatic needle staright No: 1	Pack of 10	20
272	VEQ-199	Suturing needles with eye	Traumatic needle staright No: 2	Pack of 10	20
273	VEQ-200	Suturing needles with eye	Traumatic needle staright No: 3	Pack of 10	20
274	VEQ-201	Suturing needles with eye	Traumatic needle staright No: 4	Pack of 10	20
275	VEQ-202	Suturing needles with eye	Atraumatic, round bodied half circle 1/2 , No: 1	Pack of 10	20
276	VEQ-2	Suturing needles with eye	Atraumatic, round bodied half circle 1/2 , No: 2	Pack of 10	20

	03				
277	VEQ-204	Suturing needles with eye	Atraumatic, round bodied half circle 1/2 , No: 3	Pack of 10	20
278	VEQ-205	Suturing needles with eye	Atraumatic, round bodied half circle 1/2 , No: 4	Pack of 10	20
279	VEQ-206	Suturing needles with eye	Atraumatic, round bodied, 3/8 circle No: 1	Pack of 10	20
280	VEQ-207	Suturing needles with eye	Atraumatic, round bodied, 3/8 circle No: 2	Pack of 10	20
281	VEQ-208	Suturing needles with eye	Atraumatic, round bodied, 3/8 circle No: 3	Pack of 10	20
282	VEQ-209	Suturing needles with eye	Atraumatic, round bodied, 3/8 circle No: 4	Pack of 10	20
283	VEQ-210	Suturing needles with eye	Atraumatic needle Straight No:1	Pack of 10	20
284	VEQ-211	Suturing needles with eye	Atraumatic needle Straight No:2	Pack of 10	20
285	VEQ-212	Suturing needles with eye	Atraumatic needle Straight No:3	Pack of 10	20
286	VEQ-213	Suturing needles with eye	Atraumatic needle Straight No:4	Pack of 10	20
287	VEQ-214	Surgical Tray with lid S.S	Surgical Tray with lid S.S. Seamless (IS-3993-1982) Size in mm 200 X150 mm	Single	200
288	VEQ-215	Suture removal scissors	SS, 6''	Single	20
289	VEQ-216	Needles Disposable	Hypodermic Plastic mounted, Sizes: 16 G, - 1.5 inch length; Luer mount	Pack of 100	1000
290	VEQ-217	Needles Disposable	Hypodermic Plastic mounted, Sizes: 18 G - 1.5 inch length; Luer mount	Pack of 100	1000
291	VEQ-218	Needles Disposable	Hypodermic Plastic mounted, Sizes: 20 G - 1.0 inch length; Luer mount	Pack of 100	1000
292	VEQ-219	Needles Disposable	Hypodermic Plastic mounted, Sizes : 22 G - 1.0 inch length; Luer mount	Pack of 100	1000
293	VEQ-220	Needles Disposable	Hypodermic Plastic mounted, Sizes : 24 G - 1.0 inch length; Luer mount	Pack of 100	1000

294	VEQ-221	Syringe Disposable 10 ml with needle	10 ml (As per Drug Act. Specification) with 22 GX 1.5'' needle	Pack of 100	1000
295	VEQ-222	Syringe Disposable 5 ml with needle	5 ml (As per Drug Act. Specification) with 22 GX1.5'' needle	Pack of 100	1500
296	VEQ-223	Syringe Disposable 2 ml with needle	2 ml (As per Drug Act.Specification) with 22 G needle X1.0”	Pack of 100	1000
297	VEQ-224	Syringe Disposable 1ml with Needle	1 ml with needle, 24 G	Pack of 100	1000
298	VEQ-225	Syringe Disposable 20 ml without needle	20 ml (As per Drug Act. Specification) without needle	Single	1500
299	VEQ-226	Syringe Insulin (40 Units) Disposable with needle	40 units Insulin Syringe, Leur mount with 22 Gauge, 1" needle, leur lock, 100/box	100/ Box	1000
300	VEQ-227	Spinal Needles	4'' long SS, 16G	Single	50
301	VEQ-228	Spinal Needles	6'' long SS, 16G	Single	50
302	VEQ-229	Spinal Needles	4'' long SS, 18G	Single	50
303	VEQ-230	Spinal Needles	6'' long SS, 18G	Single	50
304	VEQ-231	Speculum Eye	For Bovines	Single	25
305	VEQ-232	Vaginal Speculum- Bovines	For Bovines	Single	100
306	VEQ-233	Vaginal Speculum- Sheep & Goat	For Sheep & goat	Single	100
307	VEQ-234	Tape Adhesive Zinc Oxide	Tape Adhesive Zinc Oxide 10 Cms X 10 Mts	Single	1000
308	VEQ-235	Teat instrument kit	Set of-Sharp point probe SS 14cm, McLean Lancet SS 17cm, Pappilotome SS 12/18cm, Hudson's teat Dilator straight handle-1, Thandle- 1, Hug tumor extractor(to be removed)- teat tumour extractor with one ring ST 16 (to be included) Milking tube SS 8 cm -in a plastic box	Single	100
309	VEQ-	Tooth rasp set	Tooth rasper dimensions and standards shall conform to Bureau of India	Single	100

	36		n Standards IS 12243-1988 Reaffir med 2010.		
310	VEQ-237	Molar Tooth cutter	Molar Tooth cutter (Danish pattern) stainles steel heavy metal	Single	100
311	VEQ-238	T-Handle set for Wire Saw	Stainless Steel as per BIS specification	Single	100
312	VEQ-239	Thermos Flask SS	Capacity 1 Litre Both inside and out side should be made of stainless steel. A carry bag with straps should be provided for carrying the flask.	Single	100
313	VEQ-240	Towel Clip	Towel clip, 8 cm, SS	Single	200
314	VEQ-241	Trocar and cannula for Large Animals	SS triple beveled, conical section, Luer with standard Metal Hub with matched stylet and adapters.	Single unit	100
315	VEQ-242	Trocar and cannula for Small Animals	SS triple beveled, conical section , Luer with standard Metal Hub with matched stylet and adapters.	Single unit	100
316	VEQ-243	Vaccine Carrier Box	Large Vaccine carrier vaccine storage capacity 1.6 lts. Wt. Fully loaded 4.2 kgs wt. Empty 2.2 kgs External surface material HDPE (1) Internal Lining material HIPS (2) Insulation material - CFC free poly urethane Insulation thickness 35/40 mm External dimensions	Single	1000
317	VEQ-244	Wash Basin S.S.Heavy Quality	12 inches Dia, with 3 1/2 feet height stand of heavy gauze & provision for soap rack	Single	500
318	VEQ-245	Wool Shearing Machine (Power Operated)	220V. The On-Off switch should be operational with the thumb. It should be plugged in directly without adapter /transformer. The machine should be packed in a suitable carrying case with necessary accessories	Single	50
319	VEQ-246	Surgical Kit	Standard size Artery Forceps-6 No's , Alleys tissue forceps-6 No's, BP handle 3/4 , Thumb forceps- plain and rat toothed, 6", Scissors- pointed and blunt, straight 6 & 8 ", Needle holder, Suture removing scissors, Groove Director , Suture needles size 1,2, 3 8,9,10, half circle 50 mm	Single	50
320	VEQ-247	Medicine Storage Cabinet (Steel Shelve)	Size 916 mm width, 486 mm depth, 1980 mm Height, ± 5mm including 4"pedestal with height adjustment leveler. Construction with virgin CRCA Steel Sheets of 0.8mm thickness for backside & shelves 0.8 mm thickness HSCR sheet for doors & 0.9 m	Single	1000

			m thickness CRCA for all other components, one locker compartment & four open compartments with adjustable shelves. net wt:73kg ± 2kg, finish: all surface epoxy powder coated to the thickness of 50 microns ±10 (as per IS 13871) with phosphate treated pre finish (as per IS 3618)		
321	VEQ-248	Magnifying lens - Hand held	With light source, AA Battery operated,	Single	20
322	VEQ-249	Revolving Stool (Adjustable)	SS Complete, 304 L Grade, non rusty 4 years manufacturer's replacement warranty	Single	300
323	VEQ-250	Refrigerator-200 Lit	200 Litres capacity with three adjustable rust proof shelves with Toughened glass shelves. Providing additional space instead of Egg tray, along with double booster stabilizer, with inverter technology based compressor, 3 Star, Moist balance crisper, Fastest ice tray, 10 years manufacturer's warranty on compressor and 2 years on product	Single	100
324	VEQ-251	Refrigerator-Double Door 310 Lit	Double door Refrigerator-with Auto defrost, Energy efficient, less noise & more durable smart inverter compressor with 10 year warranty, 310 Lit capacity with adjustable 5 rust proof shelves Shelf with Toughened Glass to withstand the weight of heaviest vessels, ice beam door cooling feature, 4 star rating, Product along with double booster 2 kv stabilizer. 3 years full spare parts warranty	Single	100
325	VEQ-252	Refrigerator-394 Lit	Double door Refrigerator-with Auto defrost, Energy efficient, less noise & more durable inverter compressor with 10 years warranty, 394 Lit capacity with adjustable 5 rustproof shelves Shelf with Toughened Glass to withstand the weight of heaviest vessels, 3 star rating, Product along with double booster 2 KV stabilizer. 2 years on product warranty, All round cooling feature.	Single	25
326	VEQ-253	Postmortem set	(1) Cartilage Knife 4.5'' 1pC; (2) Amputation Knife 8'' 1pC; (3) Brain Knife 10'' 1pC; (4) Bowl Scissor 1pc; (5) Post Mortem Scissor 1 pc; (6) Allise Tissue Forcep 2X3 Teeth 1 pc; (7) Disecting Forcep 8'' 1 pc; (8) Mallet Round 1 pc; (9) Chisel 8½'' X3/4'' 1pc; (1	Single	10

			0) Chisel 8½'' X1'' 1pc; (11) Chisel 8½'' X1¼'' 1pc; (12) Spine Wrench 1pc; (13) Bone cutting Scissor 1pc; (14) Steel Tape (3 meter) 1pc; (15) Amputation Saw 12'' 1pc; (16) Pipe Saw 12'' 1 pc; (17)Blow pipe 10'' 1pc; (18) Retractor -4 Prong 2 pcs; (19) Probe 6''/8'' 2 pcs; (20) Bone Holding 12'' 1 pc.		
327	VEQ-254	Rumenotomy set Weingarth	With 4 modified vullsellum forcep, 6 hook and frame, thumb screw SS in each set	Single	10
328	VEQ-255	Ice Line Refrigerator and Freezer	Vaccine storage capacity: 60 to 75 lit, Ice pack freezer capacity 25 to 35 lit, Cold life without power supply: above 40 hrs. Capacity of ice pack storage - 25 to 40 of 0.5 to 0.6 lit capacity. Two lockable lid with four catches with silicon gasket for tight sealing. Four wire basket for an optimum storage. Outer and Interior material-Polythene. Insulation- Polyurethane. Insulation thickness-100 to 125 ml, Voltage:220-240 VAC 50/60Hz, Refrigerant- R134 a or R600, Ice lining-20 to 25 ice packs of 0.6 lit which act as ice bank during power cuts and Aluminum removable inner liner to protect the Ice pack with 2KVA Stabilizer.	Single	100
329	VEQ-256	Ultrasound scanner Veterinary	Portable Display mode: B, B/B, B/M, M colour doppler - Probe type- linear, curvilinear, micro convex, phased array(cardiac) Probe Frequency; 2.5 MHz-7.5 9.5 MHz . Minimum 3 years onsite warranty -Veterinary specific software with storage backup and printer facility.	Single	5
330	VEQ-257	C-ARM for Orthopaedic Surgeries with compatible Surgical Table	Imaging system: Image intensifier tube with Power supply unit 9" (230 mm) Triple field (very high resolution) X-Ray Round Grid 9"-8:1, 103 LPIC CD CAMERA-1/2"B/W CCD camera of very high resolution with special lens, CCIR standard - 625 lines, Monitors (2 Nos) with minimum of 17" monitors of high resolution mounted on a Mobile Trolley C-ARM MOBILE STAND: Rotation (180 degrees), Motorized Up/Down, Horizontal travel, Arc orbital movement Wig Wag. High Frequency X-Ray Generator:40 KHz high frequency, Dual focal Anode wi	Single	5

			th Collimator Max voltage 120 KV, F luoroscopic mA (Normal mode) 0.1 t o 5mA, Mains Voltage 230 V AC +/- 10%. 50Hz, Max. output power 6 K W. Fluoro & Rad. Mode selection Tec hnique. An inbuilt Radiographic Tim er, 5 minutes cumlative Fluroscopic Timer with Buzzer. Monoblock Temp erature Sensor, Self diagnostics for s equence of Machine operation & hig hlighting any errors. Voltage Stabilie r zand Automotic Brightness Control . Digital Imaze memory system-100 Frame memory with desirable featur es of LIVE/PULSE/LIH, Averazing 1 to 16 frame, Contrast enhancement function, Temporary & Permanent st orage upto 100 frame, negative imag e, ,feature, Zoom(x2 & x3), zMirror f eature, Image rotation, PEN DRIVE provision, keeping date & time and PC connectivity through LAN port. T able for C-ARM USE in Orthopaedic s: Adjustable three motion table wit h Radiolucent Top Compatible for C-ARM use. Lead APRON and Lead Gl oves: 4 Nos Aprons and 2 pairs Glov es. CR system: Contrast resolution / Grayscale resolution -16 bits / pixe s . Work station with Image processi ng software: Veterinary applications are mandatory. Printer / Image: Dry Imager with more than 300 dpi reso lution. Latest Generation Fully Bea m former. Convex / Linear / Phased Array / Endocavity 19" Fully Flat hi gh resolution strain free TFT color m onitor with tilt facility 2D, Dual 2D & M-mode Split and Full, 2D-CFM, Tissue Enhancement facility Convex , Linear, Endocavity and cardiac. Hi gh sensitive CW/PW/HPRF Doppler. High resolution and sensitive color Doppler with high frame rate Power Doppler and Directional Power Dopp ler. Cine Loop and scroll facility, real time storage of Clips & Still Images. Storage Media - Internal Hard Disk / USB Pen drive and Direct CD writ er, and DVD reader. Bio-Lab Data M anagement for workflow managemen t. Direct connection to Ink Jet printe r or Laser Printer. Transducers: Con		

			vex probe (2-7 MHz) for abdominal equine & tendon scan-1. Microscope: Stand should be heavy weight H-shape base on lockable castor wheels. Swivel arm mounted on pillar. Binocular Tube: Inclined, f70mm focl length APO chromotic Mognchnger: 0.4x 0.63x1.6 & 2.5x Eye piece: WF 10x/ 16mm with eye gurds. Common mn objectve (CMO):f200mm wth motorized fine focus. Built-in-Fil,zters:Green & Blue&Vertical, movement:600mm Points of Articulation :Swivel , Suspension (XYZ), Microscope. All points of articulation are locable. Microscope mount: Motorized carrier. Packagecontents: Tools for Securing base and pillar, Sterilizable knob covers & Nylon dust cover.		
331	VEQ-258	Ultrasonography Unit With Color Doppler For Veterinary Applications with Vety Cardiology software with printer facility with US guided biopsy facility	Ultrasound and Color Doppler System capable of performing whole body imagine applications like Abdominal , Obstetrics & Gynecology, 3D/4D, Cardiac, Vascular, musculoskeletal applications in large and small animals.<u>System Features:</u> System should function with the following modes 2D, M-Mode, PW, CW, Color Flow Imaging, Color Power Angio & Tissue Harmonic Imaging. Color compare, Color / Color Power and normal grayscale mode. Should be available side-by-side or equivalent. Digital Processing Channels Minimum 100000 Digital Channels. Grayscales 256 shades of Gray Scales. Advanced image processing algorithms for improved image quality to analyze between targets & artifacts, sharpen target anatomy and reduce speckle & artifacts. System must have real time multiline compounding imaging with minimum 15 lines of sight. High Dynamic Range 230 dB or more Depth of Display depth of 3 - 35 cm. High frame rate 2D frames 1000 or more Auto optimization, automatic quantification of B mode and Doppler parameters must be available in real-time & freeze modes for ease of use following functions.Pan Zoom facility on live and frozen images. Active ports Min	Single	2

			imum 3 active ports for pin less elec tronic transducer connectors. Probe connectors should have latest pin le ss connectors. Display monitor High resolution Color TFT LCD display of 19 inches or more with articulating arm for adjusting good viewing posit ions. System Ergonomics Height adj ustable and rotatable control panel. Touch screen control panel In-built color touch screen display for fast ac cess to user Image. Archival on Har d Disk Capability to directly store im ages and video loops in the in-built Hard Disk Drive. Image storage capa city on hard disk drive should be mi nimum 250 GB or more. Image Arch ival facility on medium other than H DD CD/DVD writing, USB port or n etwork storage with facility for imag e transfer. DICOM capability for net working and communicating images Advanced DICOM 3.0 ready facility should be available. Alphanumeric keyboard with soft keys for easy acc ess scan controls and Facility to san itize system keyboard to avoid cross contamination. System should be u pgradable to real time 3D/4D capab ility. Should be upgradable to intra operative probes. System must have a extended field of view imaging. Tr ansducers Technology: Technology: Broadband probes and should have pin less or zip type connectors for fa st transmission and should be latest Matrix light weight technology. Tra nsducer technology broad Bandwidt h Beam former technology for extre me high resolution 2D imaging and capable of frequency range from 1-1 8 MHz. Transducer to be supplied a s standard: Convex Array probe 2 to 7 MHz Broadband frequency for tra ns abdominal applications. High Fre quency Linear Array probe 4-13 MH z frequency Trans-rectal probe 5-10 MHz for large animal reproduction a pplications Phased Array probe with 1-4 MHz frequency for small animal cardiac applications Standard Acce ssories: B/W Thermal printer 1 No. of latest model Suitable online UPS		

			with 20min inbuilt Back-up Warranty: Warranty on entire system including Probes and major accessories System should be supplied with two year warranty. Comprehensive AMC charges for five years post warranty period should be Quoted separately. Certifications: European CE and US FDA certification for the quoted model must be enclosed and Manufacturer ISO Certificates.		

GOPAL KRISHNA DWIVEDI
SPECIAL CHIEF SECRETARY TO GOVERNMENT

TO BE SUBMITTED

ANNEXURE - XI

D E C L A R A T I O N

In terms of G.O.Ms.No.352 AH DD and F Dept (AH-II) Dated 22.11.2000

I..... son of ..... Aged..... residing at ..... village..... Mandal..... District ..... an authorized signatory of M/s .....Firm Name hereby solemnly

declares that I myself or any of my family members is not the employee of the Andhra Pradesh Animal Husbandry Department. I also declare that any of the partners of our firm or their family members are not the employees of Andhra Pradesh Animal Husbandry Department. I/We shall not include any person as partner who is a family member of the employee of Andhra Pradesh Animal Husbandry Department during the period of Rate Contract period 2024-25 & 2025-26.

I / We also declare that our authorized Stockiest M/s..... .... FOR SUPPLY OF VETERINARY AND A.I EQUIPMENT/ VETERINARY DIAGNOSTIC and LABORATORY NEEDS and MISCELLANEOUS ITEMS FOR THE YEAR 2024-25 & 2025-26 to Andhra Pradesh Animal Husbandry Department are neither employees of A.P. Animal Husbandry Department nor any their family members is working in Andhra Pradesh Animal Husbandry Department. The Stockiest shall not include any one as partner who is a family member of the employee of Andhra Pradesh Animal Husbandry Department during the period of Rate Contract period 2024-25 & 2025-26.

Any violation of these rules or regulation shall be treated as misconduct and shall be liable for action deemed fit.

In the event of failure on our part to abide by the above declaration willfully or by oversight it is left to the Director of Animal Husbandry, A.P., Vijayawada to take appropriate action against us and as well as against the authorized stockiest.

SIGNATURE OF TENDERER WITH STAMP

Note: The above Declaration shall be registered by an authorized NOTARY on non-judiciary bond paper of Rs.100/- only

List of Equipment Attachment -1

LIST OF VETERINARY AND ARTIFICIAL INSEMINATION EQUIPMENTAND VETERINARY DIAGNOSTIC & LABORATORY NEEDS AND MISCELLANEOUS ITEMS PROPOSED UNDER RATE CONTRACT FOR 2024-2025 & 2025-26

S. No.	Item Code	Item Name	Specifications	Unit Pack	Approximate Quantity Required
AIE - ARTIFICIAL INSEMINATION EQUIPMENT					
1	AIE-1	AI Straws (0.25 ml) (Imported)	The straws should be made PVC of suitable grade which can withstand long time storage in liquid nitrogen i.e. temperature of Minus 196 Degree Celsius. Each straw should have volume of about 0.25 ml and 133mm plus or minus 1mm long with Inner Dia. of 1.6 ± 0.1mm and external diameter of 1.9 ± 0.1mm. The factory plug of straws should absorb less semen than regular straws. The straws should be available in pastel colors like pastel red, pastel green, pastel blue, pastel yellow, grey pastel orange, Salmon & Transparent . The straws should not lose shape in normal storage condition. Packing in sterile polyethelene bags and sealed hermetically with all marking details on pack. Required specifiations of CMU suppliers earlier. (ISO Certified)	Pack of 2000 straws in ZIP lock bags	3000
2	AIE-2	Unplugged straws 0.25 ml (Imported)	These straws are required for sampling of semen for sperm concentration should be compatible with IMV make Photometer.	Pack of 2000 straws	50
3	AIE-3	Artificial Vagina cones - 9 inches	The cone should be made of virgin latex rubber, 9 inches long with one end tampering to fix on semen collection tube of 15 mm diameter and other end suitable to fit to AV hose pipe. It should be withstand steam sterilization	Single	600

			i.e autoclave at 5 Psi for 20 minutes. It should be of thick rubber.		
4	AIE-4	Artificial Vagina cones siliconized - 9 inches	The cone should be made of siliconized rubber, 9 inches long with one end tampering to fix on semen collection tube of 15 mm diameter and other end suitable to fit to AV hose pipe. The inner surface should be very smooth and shining to permit free flow of semen. It should be withstand steam sterilization i.e autoclave at 5 Psi for 20 minutes	Single	600
5	AIE-5	Artificial Vagina Hose Pipe 8 inches	Artificial vagina made up of rubber hose pipe 58 mm Dia & 8 inches length approx fitted with good quality brass valve, for pouring hot water, brass valve should be leakproof. It should be withstand steam sterilization i.e autoclave at 5 Psi for 20 minutes	Single	150
6	AIE-6	Artifical Vagina Hose pipe - 10 inches	Artificial vaginas made of rubber hose, suitable for buffalo bulls, 10 inches long, 62mm Dia approx fitted with good quality brass valve for pouring hot water. The brass valve should be leak proof for air and water. The body should be slightly pliable. Both the edges should be rounded, smooth and elevated to hold the rubber liner.It should be withstand steam sterilization i.e autoclave at 5 Psi for 20 minutes	Single	300
7	AIE-7	Artifical Vagina Hose pipe - 12 inches	Artificial vaginas made of rubber, suitable for cattle and buffalo bulls, 12 inches long, 62 mm Dia approx., fitted with good quality brass valve for pouring hot water. The brass valve should be leak proof for air and water. The body should be slightly pliable. Both the edges should be rounded, smooth and elevated to hold the rubber liner.It should be withstand steam sterilization i.e autoclave at 5 Psi for 20 minutes	Single	150
8	AIE-8	Artifical Vagina Hose pipe - 14 inches	Artificial vaginas made of rubber, suitable for cattle bulls, 14 inches long, 62mm Dia approx., fitted with good quality brass valve for pouring hot water. The brass valve should be leak proof for air and water. The body	Single	150

			should be slightly pliable. Both the edges should be rounded, smooth and elevated to hold the rubber liner.		
9	AIE-9	Artificial Vagina liners - 12 inches	The rubber liner should be made of virgin latex rubber and 12 inches long 60mm Dia approx with both sides smooth. The liner should be of uniform thickness, smooth and soft. It should withstand repeated sterilization i.e autoclave at 5 Psi for 20 minutes	Single	1000
10	AIE-10	Artificial Vagina liners - 14 inches	The rubber liner should be made of virgin latex rubber and 14 inches long 60mm Dia approx with both sides smooth. The liner should be of uniform thickness, smooth and soft. It should withstand repeated sterilization i.e autoclave at 5 Psi for 20 minutes	Single	1000
11	AIE-11	Artificial Vagina liners - 16 inches	The rubber liner should be made of virgin latex rubber and 16 inches 60mm Dia approxlong with both sides smooth. The liner should be of uniform thickness, smooth and soft. It should withstand repeated sterilization i.e autoclave at 5 Psi for 20 minutes	Single	1000
12	AIE-12	Artificial Vagina liners - 16 inches	The rubber liner should be made of virgin latex rubber and 16 inches width 3.5 inches approxlong with both sides smooth. The liner should be of uniform thickness, smooth and soft. It should withstand repeated sterilization i.e autoclave at 5 Psi for 20 minutes	Single	1000
13	AIE-13	Artificial Vagina liners - 18 inches	The rubber liner should be made of virgin latex rubber and 18 inches 60 mm Dia approx long with both sides smooth. The liner should be of uniform thickness, smooth and soft. It should withstand repeated sterilization i.e autoclave at 5 Psi 20 minutes	Single	1000
14	AIE-14	Freezing Racks 0.25 ml straws	Should be SS make, resistance to Minus 196 Degree Celsius and capacity to hold 175 straws. Should also be compatible with IMV make biofreezer.	Single	100
15	AIE-15	Disposable plastic Goblets 65 mm dia 118 mm long capacity 660 French mini straws	The goblets should be made from virgin plastic compound with size of 65 mm dia and 118 mm long. The goblets should withstand repeated cooling to Minus 196 Degree Celsius and thawing to ambient temperature.	Pack of 500	10

16	AIE-16	Disposable plastic Goblets 13 mm dia 118 mm long capacity 25 French mini straws	The goblets should be made from virgin plastic compound with size of 13 mm dia and 118 mm long. The goblets should withstand repeated cooling to Minus 196 Degree Celsius and thawing to ambient temperature. The goblets should be compatible with the imported make straw counting and filling machine. It should accommodate 25 French mini straws.	Pack of 300	16
17	AIE-17	Disposable plastic Goblets 9.2 mm dia 118 mm long capacity 10 French mini straws	The goblets should be made from virgin plastic compound with size of 9.2 mm dia and 118 mm long. The goblets should withstand repeated cooling to Minus 196 Degree Celsius and thawing to ambient temperature. The goblets should be compatible with the imported make straw counting and filling machine. It should accommodate 10 French mini straws.	Pack of 300	16
18	AIE-18	Disposable Plastics Goblets hexagonal capacity 80 french mini straws	The goblets should be made from virgin plastic compound Hexagonal shape with size of 20 mm dia and 118 mm long. The goblets should withstand repeated cooling to Minus 196 Degree Celsius and thawing to ambient temperature. The goblets should be compatible with the imported make straw counting and filling machine. It should accommodate 80 French mini straws.	Pack of 150	65
19	AIE-19	Goblets for straws 65 mm (Aluminum)	The goblets should be made from anodized aluminum with size of 65 mm diameter and 118 mm long. The edges should be smooth. The sheet should be of 30 gauge.	Single	1000
20	AIE-20	Goblets for straws 35 mm (Aluminum)	The goblets should be made from anodized aluminum with size of 35 mm diameter and 118 mm long. The edges should be smooth. The sheet should be of 30 gauge.	Single	25000
21	AIE-21	Goblets for straws 13 mm (Aluminum)	The goblets should be made from anodized aluminum with size of 13 mm diameter and 118 mm long. The edges should be smooth. The sheet should be of 30 gauge.	Single	10000
22	AIE-	Gum boots Full size (in	Gumboots should be of light weight, made of rubber /	Single	1300

	22	pair)	synthetic rubber with cloth lining inner side. Sizes-8,9, 10 Assorted Full size Height – 14 Inch with steel toe.		
23	AIE-23	Gum boots Ankle size (in pair)	Gumboots should be of light weight, made of rubber / synthetic rubber with cloth lining inner side. Sizes 8, 9, 10 with steel toe.	Single	1300
24	AIE-24	Liquid Nitrogen Storage Tank 3000 Lit. Capacity	Vertical LN storage tank of 3000 litres Cap, Super insulated to be operated at low pressure of 0.9 kgs/ cm^2. With warranty for vaccum and system for 3 years.	Single	5
25	AIE-25	Liquid Nitrogen Storage Tank 6000 Lit. Capacity	Vertical LN storage tank of 6000 litres Cap, Super insulated to be operated at low pressure of 0.9 kgs/ cm^2 . With warranty for vaccum and system for 3 years.	Single	5
26	AIE-26	Liquid Nitrogen Storage Tank 10000 Lit. Capacity	Vertical LN storage tank of 10000 litres Cap, Super insulated to be operated at low pressure of 0.9 kgs/ cm^2 . With warranty for vaccum and system for 3 years.	Single	5
27	AIE-27	Liquid Nitrogen Transport Tanker 10000 Lit. Capacity	Liquid Nitrogen Tanker with 10000 Lit. Capacity to be mounted on transport vehicle. Warranty for 2 Years.	Single	2
28	AIE-28	Wide Mouth Frozen Semen Containers fitted with castor wheels.	Capacity 300-350 liters of liquid Nitrogen with static evaporation loss rate less than 7 liters per day. The container should accommodate about 100 no. of canisters with O.D 70-72 mm, height 520 mm. The neck diameter should be about 800 mm.The lid should be sturdy and long lasting with handles. The insulation materials used for the lids should be of good quality rigid thermo cole. It should be supplied compatible canisters, lifters for goblets, dividers, freezing grill, (perforated) and flat acrylic lid of 6-8 mm thick. It should have temperature indicator, Low temperature alarm, Level indicator & Low level alarm indicator. Warranty for 2 Years.	Single	6
29	AIE-29	Frozen Semen Storage Container 30-35 liters	Capacity 30-35 liters of liquid Nitrogen with static evaporation loss rate of 0.118 liters per day at STP, six canisters with OD 38 mm, height 120 mm. The level of liquid nitrogen from bottom should be about 33 cms. The neck diameter should be 50 mm. The container is	Single	10000

			required for storage of FS doses at Veterinary Institutions. Warranty for 2 Years.		
30	AIE-30	Portable Frozen Semen Container 3-4 liters	Capacity 3-4 liters of liquid Nitrogen with static evaporation loss rate of 0.135 liters per day at STP, six canisters with OD 38 mm, height 120 mm. The level of liquid nitrogen from bottom should be about 20 cms. The neck diameter should be 50 mm. This container is meant for doorstep AI by private AI practitioners and should be sturdy. Warranty for 2 Years.	Single	10000
31	AIE-31	Liquid Nitrogen Container Jumbo-12	Capacity 45-50 liters of liquid Nitrogen with static evaporation loss rate of 0.38 liters per day at STP, 11 canisters with OD 72 mm, height 280mm. The level of liquid nitrogen from bottom should be about 42 cms. The neck diameter should be 120 mm. This container is required for storage and transport of FS doses from production centre to district Head quarters. Warranty for 2 Years.	Single	250
32	AIE-32	Liquid Nitrogen Storage and Transport Container 50-55 liters	Capacity 50-55 liters of liquid Nitrogen with static evaporation loss rate of 0.43 liters per day at STP. The neck diameter should be 50 mm. The container should be sturdy, fitted with rubber ring and rubber bottom pads to prevent friction. It should have two well placed handles. This container is required for transportation of LN from district Head Qarter to institutions. Warranty for 2 Years.	Single	250
33	AIE-33	Canisters for BA 3	Canisters for BA 3 Cryo container	Single	2500
34	AIE-34	Canisters for Jumbo 12	Canisters for Jumbo 12 Cryo container	Single	100
35	AIE-35	Spare Lids for Liquid Nitrogen (LN) Containers 3-4 lit	Spare lids for Liquid Nitrogen storage of 3-4 lit capacity	Single	2000
36	AIE-36	Spare Lids for LN Containers 35 lit	Spare lids for Liquid Nitrogen storage of 35 lit capacity	Single	2000
37	AIE-	Spare Lids for LN Containers 51.5	Spare lids for Liquid Nitrogen storage & transport of	Single	2000

	37	lit	51.5 lit capacity		
38	AIE-38	Photo Meter bulb	Spare for IMV Photo Meter	Single	10
39	AIE-39	Cuvettes for Photo Meter (Disposable)	Made of clear plastic 45 mm long and 10 mm square compatible to IMV make Photometer. The cuvettes should not have any scratches and totally clear and transparent	Pack of 100	100
40	AIE-40	Disposable Head Caps	To be used by the staff in the laboratory. The colour should be blue or green.	Single	5000
41	AIE-41	Disposable Face Masks	To be used by the staff in the laboratory. The colour should be blue or green should have widen thread so as to have convinient at ear ends.	Single	5000
42	AIE-42	Shoe covers	Disposables.The colour should be blue or green.	Single	2000
43	AIE-43	Gloves Surgical sterile 6 inches	6 Size Latex surgical Gloves BIS in pair	Single	2000
44	AIE-44	Gloves Surgical sterile 6½ inches	6 1/2" Size Latex surgical Gloves BIS in pair	Single	2000
45	AIE-45	Gloves Surgical sterile 7 inches	7 Size Latex surgical Gloves BIS in pair	Single	2000
46	AIE-46	Gloves Surgical sterile 7½ inches	7 1/2" Size Latex surgical Gloves BIS in pair	Single	2000
47	AIE-47	Disposable Hand gloves	superior nitrile gloves, 50 pair pack Textured, Powder Free,Latex free, Ambidextrous with sizes of Medium, Large and X- Large	Single	2000
48	AIE-48	Aspiration cones	It should be compatible to IMV filling and sealing IS 4 machine	Pack of 100	100
49	AIE-49	Semen Filling Flexible Tubes	Tubes couple 290 mm long. Flexible tubes connecting the IMV Make IS4 filling sealing machine and unplugged straws.	Pack of 60 Tubes	250
50	AIE-50	SS Long Aspiration Needles	The SS long aspiration needles should be compatible with IMV Make IS4 straw filling and sealing machine suitable for filling 0.25ml straws. The filling end of needle should match with dimensions of French Mini straws.	Single	100

51	AIE-51	SS Short Aspiration Needles	The SS short aspiration needles should be compatible with IMV Make IS4 straw filling and sealing machine suitable for filling 0.25ml straws. The filling end of needle should match with dimensions of French Mini straws.	Single	100
52	AIE-52	Aspiration & Filling Needle Boots	It should tighten properly while filling the straws and compatible for IMV make IS4 filling integrated system	Pack of 100	10
53	AIE-53	Filling sealing machine Teflon Needle Holders	It should fix the needle firmly while filling the straws for IMV Make IS4 Machine	Single	5
54	AIE-54	Dipstick for LN2 container	Made of plastic should have double graduation in Cms and inches for 1 meter.	Single	10000
55	AIE-55	AI Gun Containers	The AI gun container should be made rigid PVC with the following dimensions 470 mm long 25 mm O.D. and 1 mm thick. It should be of white colour. It should have lids at both ends, which can be removed easily	Single	10000
56	AIE-56	AI Gun for French Mini Straws (0.25 ml) - (Imported) -	Made of non magnetic grade 304 Stainless steel body and piston, with one ring of metallic lock on body for locking of sheath and suitable for 0.25 ml/0.5ml straws and split / unsplit sheats. (ISO Certified)	Single	10000
57	AIE-57	AI Sheaths split (Imported)	Sterile AI sheath of 443 ± 1 mm with outer diameter of 4.3 ± 0.15 mm suitable for 0.25 ml French mini straws made of transparent polyvinyl chloride and packed in single sterile polythene tear pack with 4 sided sealed pack. The sheath should have a split, match with standard imported AI gun, and fit with the straw. The sheath should have plastic bead to hold the straw, which should move smoothly in the sheath. Bundle of 50 such sheaths in a sterile thick polythene pack. (ISO Certified)	Pack of 50	50000
58	AIE-58	AI Sheaths Unsplit suitable for Spiral Gun for 0.25 ml Straws (Imported)	Sterile AI sheath suitable for 0.25 ml French mini straws made of transparent polyvinyl choloride and packed in single sterile polythene tear pack at rear and sealed on 4 sides. The sheath should not have any split, match with spiral imported AI gun, and fit with the straw. The sheath should have plastic bead to hold the straw, which should move smoothly in the sheath. Length:443 mm,	Pack of 50	50000

			ID:4.1 mm, OD: 4.3 ± 0.15 mm. Bundle of 50 sheaths in a sterile thick polythene pack. (ISO Certified)		
59	AIE-59	AI Thawing Monitor (Card model) Disposable	For visual temperature made of triple laminated with temperature zone of 32 - 42°c	Single	12000
60	AIE-60	Forceps for Frozen Semen Goblets 12 inches	Made of stainless steel, 12" long, suitable for lifting goblets with frozen semen straws. The tip should have grooves to grip the goblet tightly.	Single	10000
61	AIE-61	Forceps for Frozen Semen Goblets 16 inches	Made of stainless steel, 16" long, suitable for lifting goblets with frozen semen straws. The tip should have grooves to grip the goblet tightly	Single	10000
62	AIE-62	Insemination Gloves	Full arm length 36 Inch size, LDPE disposable gloves with five fingers. The thickness should be 23 ± 3 microns and above. The joints should be strong and non-leaky. The gloves should be smooth, soft and harmless to the mucus membrane of cow / buffalo and also to the inseminator's hand. Coloured gloves in Red/Pink/Orange/Blue. (ISO Certified)	Box of 150 Gloves	1 lakh
63	AIE-63	Sheath Carrier / Sheath Container	It should be made of rigid PVC of 470 mm long, 50 mm OD and 2 mm thickness. It should be of white colour have good quality lids at both ends which can be removed easily and maintain dust proof condition inside the container	Single	10000
64	AIE-64	Aprons Gynaecology	Aprons for gynaecological work, 5 feet length & 3 feet width Thickness 10-15Microns The apron should be made of synthetic material (Rexin/rubber latex) and provided with braided cotton ends at the middle for tying	Single	10000
65	AIE-65	Aprons	Steriwear - White & Blue. Standard length with full arms, open collar with screen print name - logo, pocket, DACRON-M/LINTEX- D Fabric-Size XXL,XL & L	Single	1000
66	AIE-66	Frozen Semen Straw Lifter	SS- L shaped designed to lift semen straws with vertical serrations made at the tip	Single	500
67	AIE-67	Trollies for LN containers	Fixed with wheels and must be suitable for Jumbo 12 and TA 55 containers	Single	50

68	AIE-68	Rubber Mat for livestock	Should have non skid surface, comfortable for any size 8 feet size length 5 feet width. Simple to piece together without locking facility. high quality water proof made of sturdy and durable material which is eco friendly.	Single	1000
69	AIE-69	Rubber Mat for livestock	Should have non skid surface, comfortable for any size 8 feet size length 5 feet width. Simple to piece together with interlocking facility (Puzzle piece model) high quality water proof made of sturdy and durable material which is eco friendly.	Single	1000
70	AIE-70	Rubber Mat for livestock	Should have non skid surface, comfortable for any size 10 feet size length 6 feet width. Simple to piece together without locking facility. high quality water proof made of sturdy and durable material which is eco friendly.	Single	1000
71	AIE-71	Rubber Mat for livestock	Should have non skid surface, comfortable for any size 10 feet size length 6 feet width. Simple to piece together with interlocking facility (Puzzle piece model) high quality water proof made of sturdy and durable material which is eco friendly.	Single	1000
72	AIE-72	Digital AI gun	With LED light, video system water proof LED camera connected to an outside screen. The instrument should be able to locate the cervical O.S fast in all indigenous cattle and buffaloes with a facility for AI gun a pushable handle along the gun into cervix to a known depth. The camera and gun should be protector and should be made of washable, non corrosive components.	Single	500
73	AIE-73	Dehorning Paste for Calves	Dehorning paste for Calves to prevent horn growth, 114 gm	Single	3000
VEQ - VETERINARY EQUIPMENT					
74	VEQ-1	Absorbable Eyeless Needle Sutures 50 mm	Polyglycolic Acid Absorbable Eyeless Needle Sutures 50 mm Heavy 1/2 Circle Round Bodied Heavy, Size No.1, 100 Cm	One box of 12 foils	100
75	VEQ-2	Absorbable Eyeless Needle Sutures 50 mm	Polyglycolic Acid Absorbable Eyeless Needle Sutures 50 mm Heavy 1/2 Circle Round , Bodied Heavy,Size No.2, 100 Cm	One box of 12 foils	100

76	VEQ-3	Absorbable Eyeless Needle Sutures 50 mm	Polyglycolic Acid Absorbable Eyeless Needle Sutures 50 mm Heavy 1/2 Circle Round Bodied, Size No. 1-0,100 Cm	One box of 12 foils	100
77	VEQ-4	Absorbable Eyeless Needle Sutures 50 mm	Polyglycolic Acid Absorbable Eyeless Needle Sutures 50 mm Heavy 1/2 Circle Round Bodied, Size No. 2-0,100 Cm	One box of 12 foils	100
78	VEQ-5	Absorbable Eyeless Needle Sutures 50 mm	Size No. 2 without needle preferably 150 cm length	One box of 12 foils	100
79	VEQ-6	Absorbable Eyeless Needle Sutures 50 mm	Polyglycolic Acid Absorbable Eyeless Needle Sutures 50 mm Heavy 1/2 Circle reverse cutting Bodied Heavy,Size No.2, 100 Cm	One box of 12 foils	100
80	VEQ-7	Absorbable Eyeless Needle Sutures 50 mm	Polyglycolic Acid Absorbable Eyeless Needle Sutures 50 mm Heavy 1/2 Circle double needle Heavy, Size No.1, 180 Cm	One box of 12 foils	100
81	VEQ-8	Artery Forceps	6" SS, Straight (heavy duty)	Single	1000
82	VEQ-9	Artery Forceps	6", SS, Curved(heavy duty)	Single	1000
83	VEQ-10	Artery Forceps	8" SS, Straight (heavy duty)	Single	200
84	VEQ-11	Artery Forceps	8" SS, Curved (heavy duty)	Single	200
85	VEQ-12	Artery Forceps	10" SS, Straight	Single	200
86	VEQ-13	Artery Forceps	10'' SS, Curved	Single	200
87	VEQ-14	Automatic Drenching Gun - Cum - Vaccinator (Syringe 20 ml)	Graduated transparent plastic barrel with moulded markings. Dose easily adjustable from 1 ml to 20 ml with 1 ml increments. Standard 4" drench nozzle. Complete with leurlock adapter (for injectable use), feed tube and 2.5 ltr reservoir with graduations engraved in ml/litre. Should be light weight, aluminium body. The piston should have double silicone 'O' rings.	Single	100

88	VEQ-15	B.P. Blades Sterile	No.10 SS (BIS / As per Drug Act)	Pack of 100	500
89	VEQ-16	B.P. Blades Sterile	No.11 SS (BIS / As per Drug Act)	Pack of 100	500
90	VEQ-17	B.P. Blades Sterile	No.20 SS (BIS / As per Drug Act)	Pack of 100	500
91	VEQ-18	B.P Blades Sterile	No.21 SS (BIS / As per Drug Act)	Pack of 100	500
92	VEQ-19	B.P Blades Sterile	NO.22 SS BIS/ As per Drug Act)	Pack of 100	500
93	VEQ-20	B.P. Handle	No.3 SS (BIS / As per Drug Act)	Single	500
94	VEQ-21	B.P. Handle	No.4 SS (BIS / As per Drug Act)	Single	500
95	VEQ-22	Bandage Roll - Gauze	10cmx4mtrs (Closely Woven)	Single	1000
96	VEQ-23	Bandage Roll - Gauze	15cmx4mtrs (Closely Woven)	Single	1000
97	VEQ-24	Bandage cloth	10x10 mts (guaze tan)	Single	1000
98	VEQ-25	Antiseptic dressing pads	Chlorhexidine dressing gauze 10x10 cm, Pack of 10	Pack of 10	500
99	VEQ-26	Bone Drill - Universal	Standard SS with Chuck and key / power operated required	Single	100
100	VEQ-27	Bone holding forceps	6 inches-SS	Single	100
101	VEQ-28	Bone holding forceps	8 inches-SS	Single	100
102	VEQ-29	Buckets - SS without lid	12 Litres	Single	100
103	VEQ-30	Casting Rope	3/4" Cotton, Leather bound end. 25 ft in length	Single	100
104	VEQ-31	Casting Rope	3/4" Cotton, Leather bound end 40 ft in length	Single	100

105	VEQ-32	Castrator - Imported (Bovine)	Size 19", Castrator should be imported with Manufacturer's Logo or Trade Name for identification. It should be made of stainless steel and fitted with Castrating Forcep 48cm with one spanner in a plastic case.	Single	50
106	VEQ-33	Castrator Imported (Ovine)	Size 9", Castrator should be imported with Manufacturer's Logo or Trade Name for identification. It should be made of stainless steel. A stainless steel spanner should also be supplied for tightening the screws.	Single	50
107	VEQ-34	Clinical Thermo meter- Veterinary - Mercury	With Options for both Centigrade and Fahrenheit	Single	3000
108	VEQ-35	Clinical Thermo meter with LCD Display unbreakable plastic with flexible tip	With Options for both Centigrade and Fahrenheit. Battery operated	Single	2000
109	VEQ-36	Cotton wool (Absorbent)	400 gm net weight, interlined	Single	1000
110	VEQ-37	Dehorner Electrical	Electrical operated fixed with wooden handle;5 amp. 3 pin plug & wire both with ISI standards	Single	100
111	VEQ-38	Dehorning saw (Hack Saw)	With detachable SS blade of 30cms. Length / power operated preferred	Single	10
112	VEQ-39	Desmotomy Set	Set of BP Handle No.3 (1 No.), BP Blade No.11 (5 No.s), Groove Director (1 No.), Traumatic Needle 1/2 curved (1 No.), Nylon thread (1 No.) roll, SS Scissors both ends point 6" (1 No.) in PVC box	Single	100
113	VEQ-40	Doyens Intestinal Clamps	Straight Size 10"	Single	50
114	VEQ-41	Doyens Intestinal Clamps	Straight Size 6"	Single	50
115	VEQ-42	Dressing Forceps	6", Plain, SS (BIS - Drugs Act Specification)	Single	50
116	VEQ-43	Dressing Forceps	8", Plain, SS (BIS - Drugs Act Specification)	Single	100
11	VEQ-	Dressing Drum S.S. Seamless	Size in mm 275x132mm (IS-3831-1979)	Single	200

7	44				
118	VEQ-45	E.C.G for Dogs	Single Channel ECG, Complete digital and portable design, Vivid waveform display, Built-in rechargeable Li-ion battery, AC/DC power supply, Auto/Manual work mode selectable, Lead-off detection and display, Complete digital filtering, resisting baseline drift, AC and EMG interference, Baseline automatically adjustable to optimize printing position, High-resolution thermal printing, Input Circuit - Protection from defibrillation, Lead-Standard 7 leads, Acquisition - Single lead, A/D Resolution - 12 bits, Measurement Range - +5mVpp, Time Constraint - 3.2s, Frequency Response - 0.05Hz-150Hz, Calibration Voltage - 1m V+ 3%, Sensitivity - 2.5, 5, 10, 20 (mm/mV), Power Supply - AC:100V-115V/220V-240V, 50/50Hz - Built-in rechargeable Li-ion battery more than 3 hrs continuous work under battery supply. Display - 192x64 dots LCD. 2 years manufacturers warranty.	Single	5
119	VEQ-46	Endoscopy for Small Animals	Multi-Purpose Video endoscope-60714 PKS/NKS-Sheath-7.9 mm, Working Length - 140 cm, Working Channel- 2.8 mm, Deflection up-210 Degrees, Deflection down-100 Degrees, Left/right- 120 Degrees.Recommended instruments: for use with 60714 PKS/NKS: 60250 LT - Biopsy Forceps, oval cupped jaws, serrated, diameter 2.2 mm, working length 200 cm, 60252 LZ Grasping Forceps, serrated, with 1x2 teeth, diameter 2.3 mm, working length 200 cm, 60278 FK Foreign Body Basket, diameter 2.4 mm, length 200 cm, 60773 LA Polypectomy Snare, complete, with Handle 60773 H, large, diameter 2.4 mm, length 200 cm. with monitor, laptop and recording facility. 2 years manufacturers warranty. Irrigator and insuffalator facility with additional light source	Single	5
12	VEQ-	Endo-tracheal Tube with Cuff	Size 6,"	Single	50

0	47	Disposable			
121	VEQ-48	Endo-tracheal Tube with Cuff Disposable	Size 7 "	Single	50
122	VEQ-49	Endo-tracheal Tube with Cuff Disposable	Size 8"	Single	50
123	VEQ-50	Endo-tracheal Tube with Cuff Disposable	Size 3"	Single	50
124	VEQ-51	Endo-tracheal Tube with Cuff Disposable	Size 3.5 "	Single	50
125	VEQ-52	Endo-tracheal Tube with Cuff Disposable	Size 4 "	Single	50
126	VEQ-53	Endo-tracheal Tube with Cuff Disposable	Size 4.5"	Single	50
127	VEQ-54	Endo-tracheal Tube with Cuff Disposable	Size 5 "	Single	50
128	VEQ-55	Endo-tracheal Tube with Cuff Disposable	Size 5.5"	Single	50
129	VEQ-56	Feeding Cup	S.S, 250 ml	Single	1000
130	VEQ-57	Metal detector	light weight - made of non-corrosive material , circular coil dimension - 20 to 30 cm with LED display , operating temperature -20 to + 55 degrees Celsius. Should be able to differentially detect to detonators placed at 1 feet apart. Visual as well audio signal , volume control , sensitivity control. , with batteries, operational life 8 yrs, warranty should be two years.	Single	200
131	VEQ-58	Forceps 4"inch blunt ends	4" inch, with blunt ends with serrations, stainless steel for Histology	Single	50
132	VEQ-59	Forceps 4" inch pointed ends	4" inch, with pointed ends, stainless steel for Histology	Single	50
133	VEQ-60	Forceps Thumb Rat toothed	8", SS, Rat Toothed (2 over one)	Single	100
134	VEQ-61	Forceps Thumb Rat toothed	6", SS, Rat Toothed (2 over one)	Single	100

135	VEQ-62	Forceps Tissue 10''	10" Size, Alley's (4 Over 3) use babcocks instead of alleys	Single	100
136	VEQ-63	Forceps Tissue 6''	6" Size, Alley's (4 Over 3)	Single	100
137	VEQ-64	Forceps Tissue- 8''	8" size, Alley's (5 Over 4)	Single	100
138	VEQ-65	Forceps - Curved-Serrated tip	5 1/2" Paddle handle, curved, serrated tip, Stainless Steel, for Histology	Single	100
139	VEQ-66	Forceps - Curved-Smooth tip	5 1/2" Paddle handle, curved, smooth tip, Stainless Steel, for Histology	Single	100
140	VEQ-67	Forceps - Straight-Serrated tip	5 1/2" Paddle handle, straight, serrated tip, Stainless Steel, for Histology	Single	100
141	VEQ-68	Forceps - Straight-Smooth tip	5 1/2" Paddle handle, straight, smooth tip, Stainless Steel, for Histology	Single	100
142	VEQ-69	Forceps Curved	4 1/2" heat resistant forceps, Stainless Steel	Single	100
143	VEQ-70	Forceps -Sraight-Neddle tip	5 1/2" Paddle handle, straight, needle tip, Stainless Steel for Histology	Single	100
144	VEQ-71	Forceps Thumb Plain	8" SS	Single	100
145	VEQ-72	Forceps Thumb Plain	6 " SS	Single	100
146	VEQ-73	Gloves Obstetrical	22" Length, Latex Full Armed	Single	250
147	VEQ-74	Hydraulic Surgery and Examination Table for Small Animals	Complete SS make, Tilt-Top mechanism, 20''×60''×36'' (W×L×H), 150 kg weight bearing capacity, Tie down & duplex electric outlet, Hydraulic operated smooth lowering & lifting function, Heavy duty 220V AC, Adjustable floor glides, Four heavy duty swivel casters with brakes, Waterproof casing hydraulic system, SS hydraulic lines, Several drain holes with felt cushion	Single	25
148	VEQ-75	Ice Box with Lid	5 Lit. Capacity to store biologicals with BIS Specifications	Single	1000
14	VEQ-	Ice Box with Lid	20 Lit. Capacity to store biologicals with BIS	Single	1000

9	76		Specifications		
150	VEQ-77	Instrument cabinet	Height 5",width 3", depth 1.5" excluding 4"pedestal with height adjustment leveler. Welded construction with Virgin CRCA steel sheet of 0.8mm thickness backside & sides and door frames & 0.9mm thickness CRCA for all other components.Transparent acrylic sheet paneling on sides and front doors. 4 no 8mm thickness toughtened glass adjustable shelves. All surfaces epoxy powder coated to the thickness of 50 microns ±10 (as per IS 13871) with phosphate treated pre finish (as per IS 3618)	Single	100
151	VEQ-78	Instrument Tray S.S. Seamless without Lid with stand	Size in mm - 480x330x19; Size in inches - 19x13x3/4 with provision for height adjustment	Single	100
152	VEQ-79	Instrument Tray with Lid S.S.	Size in mm - 310x 195 x 63,	Single	100
153	VEQ-80	Instrument Trolley	SS Top, Wheel type Railings around Standard Size with castors with drawers	Single	100
154	VEQ-81	Instruments Sterilizer	Instruments Sterilizer S.S. Seamless Table Model, Size in Inches 12"X6"X5" Small, (With Thermo Stat) extra filament shall be supplied	Single	500
155	VEQ-82	Intravenous Set complete with hypodermic 18 G (1.5") needle	Intravenous Set complete with needle (18 G) made up of PVC Material tested for Biocompatability as per IS (Disposable type Each)	Single	3000
156	VEQ-83	Infrared lamp with bulb	150W, HP 3616/01 adjustability: 0- 40 Degree (IEC certified)	Single	100
157	VEQ-84	Irrigator Can with Tubing	Irrigator (Douch Can) SS with PVC or Rubber tube, Capacity 1.5 litre. With Handle, Hook and Nipple	Single	100
158	VEQ-85	Irrigator Can Tube 3 meters	Three meters length made of PVC or Rubber tube with rounded ends.	Single	100
159	VEQ-86	Kidney Tray	Kidney Tray S.S. As per IS 3992-1982 (Heavy Quality) Size: 6"	Single	1000
160	VEQ-87	Kidney Tray	Kidney Tray S.S. As per IS 3992-1982 (Heavy Quality) Size: 8"	Single	1000
161	VEQ-88	Kidney Tray	Kidney Tray S.S. As per IS 3992-1982 (Heavy Quality) Size: 10"	Single	1000

162	VEQ-89	Kidney Tray	Kidney Tray S.S. As per IS 3992-1982 (Heavy Quality) Size:12"	Single	1000
163	VEQ-90	K-Wire	1 mm	Single	100
164	VEQ-91	K-Wire	1.5mm	Single	100
165	VEQ-92	K-Wire	2mm	Single	100
166	VEQ-93	K-Wire	2.5mm	Single	100
167	VEQ-94	Laryngoscope with light (Battery operated)	With 3 different size Blade suitable for Large and Small dogs	Single	50
168	VEQ-95	Mayo Trolley	SS Body with Castors	Single	50
169	VEQ-96	Mosquito Forceps	4", Size, SS, Halstead Curved	Single	50
170	VEQ-97	Mosquito Forceps	5", Size, SS, Halstead Curved	Single	50
171	VEQ-98	Mouth Gag for Cattle	Christophers Mouth Gag, SS, Screw type Butlers mouth gag	Single	50
172	VEQ-99	Mouth Gag for Canine	Mouth gag for Canines, SS, Standard	Single	50
173	VEQ-100	Nail cutter with Cutting edges for Dogs	4'', SS, scissors type	Single	50
174	VEQ-101	Nail cutter with Cutting edges for Dogs	8'', SS, scissors type	Single	50
175	VEQ-102	Needle Destroyer	Power operated as per ISI specifications,Minimum 3 years manufacturer's warranty	Single	50
176	VEQ-103	Needle Holding Forceps	6", SS, Straight box joint Type, Olsen Hegar	Single	100
177	VEQ-104	Needle Holding Forceps	8", SS, Straight box joint Type, Olsen Hegar	Single	100
178	VEQ-105	Needle Suturing with Eye	Colt's Tension needle	Pack of 6	100

179	VEQ-106	Needle Suturing with Eye	1 mm - 2", Traumatic SS, Curved	Pack of 6	100
180	VEQ-107	Needle Suturing with Eye	1 mm ", 2", Atraumatic curved. SS	Pack of 6	100
181	VEQ-108	Needle Suturing with Eye	Atraumatic, half curved, 1 mm - 1 1/2 ", SS	Pack of 6	100
182	VEQ-109	Needle Suturing with Eye	Atraumatic, half curved, 1 mm - 2", SS	Pack of 6	100
183	VEQ-110	Needle Suturing with Eye	1 mm - 1 1/2 " Traumatic straight, SS	Pack of 6	100
184	VEQ-111	Needle Suturing with Eye	1 mm - 2", Traumatic straight, SS	Pack of 6	100
185	VEQ-112	Needle Suturing with Eye	1 mm - 2 1/2" Traumatic straight, SS	Pack of 6	100
186	VEQ-113	Needle Suturing with Eye	Holm's needle	Pack of 6	100
187	VEQ-114	Non-Absorbable Eyeless Needled Sutures	Monofilament Polypropylene Non-Absorbable Eyeless Needled Sutures (30 mm Heavy) 1/2 Circle. No.1 Size: 90cm (12 Foils) traumatic needle	Pack of 12	100
188	VEQ-115	Non-Absorbable Eyeless Needled Sutures	Monofilament Polypropylene Non-Absorbable Eyeless Needled Sutures, 1/2 Circle. No.2 Size: 90cm (12 Foils), traumatic needle	Pack of 12	100
189	VEQ-116	Non-Absorbable Eyeless Needled Sutures	Monofilament Polypropylene Non-Absorbable Eyeless Needled Sutures, 1/2 Circle. No.1-0 Size: 90cm (12 Foils), traumatic needle	Pack of 12	100
190	VEQ-117	Nylon (Monofilament), Non- Absorbable	No.2 Roll, 1	Single	100
191	VEQ-118	Nylon (Monofilament), Non- Absorbable	No.2 Roll, 1-0	Single	100
192	VEQ-119	Nylon (Monofilament), Non- Absorbable	No. 3 Roll, 1	Single	100
193	VEQ-120	Nylon (Monofilament), Non- Absorbable	No. 3 Roll, 1-0	Single	100
19	VEQ-	Orthopedic wire tightner	5 '' wire cutter and twister	Single	50

4	121				
195	VEQ-122	Pestle & Mortar	500 ml Porcelain	Single	500
196	VEQ-123	Pestle & Mortar	1 Lit. Porcelain	Single	500
197	VEQ-124	Pin Cutter	Stainless Steel Make for cutting steinmann pins 2 Up to 6 mm sized pin	Single	50
198	VEQ-125	Plaster of Paris Bandage	2.7 mtrs x10 cms- ISI standards	Single	1000
199	VEQ-126	Plaster of Paris Bandage	2.7 mtrs x15 cms- ISI standards	Single	1000
200	VEQ-127	Fiber Glass cast	3 inches, 6 inches	Single	1000
201	VEQ-128	Poly Glycolic Acid, Synthetic Absorbable	Poly Glycolic Acid, Synthetic Absorbable (PGA Sutures) With Needle, 50mm Heavy 1/2 Circle Round Body, Length:100 Cm, Size: 2	Box of 12 Foils	50
202	VEQ-129	Poly Glycolic Acid, Synthetic Absorbable	Poly Glycolic Acid, Synthetic Absorbable (PGA Sutures) With Needle, 50mm Heavy 1/2 Circle Round Body, Length:100 Cm, Size: 1	Box of 12 Foils	50
203	VEQ-130	Poly Glycolic Acid, Synthetic Absorbable	Poly Glycolic Acid, Synthetic Absorbable (PGA Sutures) With Needle, 50mm Heavy 1/2 Circle Round Body, Length:100 Cm, Size: 1-0	Box of 12 Foils	50
204	VEQ-131	Poly Glycolic Acid, Synthetic Absorbable	Poly Glycolic Acid, Synthetic Absorbable (PGA Sutures) With Needle, 50mm Heavy 1/2 Circle Round Body, Length:100 Cm, Size: 2-0	Box of 12 Foils	50
205	VEQ-132	Poly Glycolic Acid, Synthetic Absorbable	Poly Glycolic Acid, Synthetic Absorbable (PGA Sutures) With Needle, 50mm Heavy 1/2 Circle Round Body, Length:100 Cm, Size: 3-0	Box of 12 Foils	50
206	VEQ-133	Polyglactin	Polyglactin, Synthetic Absorbable (Sutures) With Needle, 50mm Heavy 1/2 Circle Round Body, Length:100 Cm, Size: 2	Box of 12 Foils	50
207	VEQ-134	Polyglactin	Polyglactin, Synthetic Absorbable (Sutures) With Needle, 50mm Heavy 1/2 Circle Round Body, Length:100 Cm, Size: 1-0	Box of 12 Foils	50

208	VEQ-135	Polyglactin	Polyglactin, Synthetic Absorbable (Sutures) With Needle, 50mm Heavy 1/2 Circle Round Body, Length:100 Cm, Size: 1	Box of 12 Foils	50
209	VEQ-136	Polyglactin	Polyglactin, Synthetic Absorbable (Sutures) With Needle, 50mm Heavy 1/2 Circle Round Body, Length:100 Cm, Size: 2-0	Box of 12 Foils	50
210	VEQ-137	Polyglactin	Polyglactin, Synthetic Absorbable (Sutures) With Needle, 50mm Heavy 1/2 Circle Round Body, Length:100 Cm, Size: 3-0	Box of 12 Foils	50
211	VEQ-138	Polyamide Non-absorbable	Suture material size 2/0	Single	50
212	VEQ-139	Polyamide Non-absorbable	Suture material size 1/0	Single	50
213	VEQ-140	Polyamide Non-absorbable	Suture material size 1	Single	50
214	VEQ-141	Polyamide Non-absorbable	Suture material size 2	Single	50
215	VEQ-142	Polyamide Non-absorbable	Suture material size 3	Single	50
216	VEQ-143	Probang (Stomach Tube for Cattle)	Flexible stomach tube for cattle with BIS standards with steel ends length 2 mts required	Single	50
217	VEQ-144	Probang (Stomach Tube for Cattle)	Flexible stomach tube for cattle with BIS standards with steel ends length 3 mts required	Single	50
218	VEQ-145	Probang (Stomach Tube for Cattle)	Flexible stomach tube for cattle with BIS standards with steel ends length 4mts required	Single	50
219	VEQ-146	Probe Metal	8'' Size.S.S	Single	50
220	VEQ-147	Rubber Sheeting	1.0 x 3 mtrs, Heavy	Single	50
221	VEQ-148	Saline Stand	SS with stable heavy base with adjustable height	Single	100
222	VEQ-149	Scalp vein set- Sterile Disposable	20 Gauge	Pack of 100	100
22	VEQ-	Scalp vein set- Sterile Disposable	21Gauge	Pack of	100

3	150			100	
224	VEQ-151	Scalp vein set- Sterile Disposable	22 Gauge	Pack of 100	100
225	VEQ-152	Scalp vein set- Sterile Disposable	24 Gauge	Pack of 100	100
226	VEQ-153	Scissors Curved	6'', SS, One end Sharp / One end Blunt	Single	500
227	VEQ-154	Scissors Curved	8'', SS, One end Sharp / One end Blunt	Single	500
228	VEQ-155	Scissors dissecting (Metzenbaum type)	8'', SS Curved, both ends Blunt	Single	500
229	VEQ-156	Scissors dissecting (Metzenbaum type)	6'', SS Curved, both ends Blunt	Single	500
230	VEQ-157	Scissors for Hair clipping	8'' Straight, carbon steel	Single	500
231	VEQ-158	Scissors Straight 6'' both ends pointed	6'', SS, both ends pointed	Single	500
232	VEQ-159	Scissors Straight 6'' both ends blunt	6'', SS, both ends blunt	Single	500
233	VEQ-160	Scissors Straight 6'' One end pointed and One end Blunt	6'', SS, One end pointed and One end Blunt	Single	500
234	VEQ-161	Scissors Straight 8" both ends blunt	8'', SS, both ends blunt	Single	500
235	VEQ-162	Scissors Straight 8" both ends pointed	8'', SS, both ends pointed	Single	500
236	VEQ-163	Scissors Straight 8"one end pointed & one end blunt	8'', SS, One end Blunt and other end Pointed	Single	500
237	VEQ-164	Scissors Straight 10" both end pointed	10" SS both ends pointed	Single	500
238	VEQ-165	Scoop small	6'' Size, SS	Single	100
239	VEQ-166	Veterinary Shadowless lamp Stand Model (with set of spare bulbs)	Excellent cold light:adopting LED as light source,without temperature rising. Excellent daylight quality and CRI	Single	2

			meet the illumination needs of the doctors. Excellent lighting effect:unique optical system,homogenous light spot,high-definition. Brightness Adjustment:Micro computer digital control,with 8 shifts luminance for selection and it offers illuminance memory function and wide voltage working speciality. Long service life:LED life is up to 30,000 hours. Energy saving and environment-friendly. Flexible and stable balance arm suspension system contents various requirement on height and angle. Illuminance: 100,000 Lux, Color temperature: 4800±200K, Color reduction index: 96, Total irradiance: 420W/m2, Spot diameter: 120-240mm, Illuminance depth: 1050 mm, lamp head diameter: 550mm, Rated power of bulb: 3.2v/1w, LED Service life of illuminant: 30,000 hrs		
240	VEQ-167	Shadowless lamp Modular in operation theatre (with set of spare bulbs)	Veterinary Ceiling LED Shadowless Operating Lamp. Ceiling LED medical vet shadowless lamp features: bright, low temperature, no shadow, soft light, convenient disinfection lamp body design. • Power supply voltage: 220V/50HZ, • Input power: 150W, • Color temperature: 4000 + - 500k. • Illumination: 50000LX • Bulb: 25*5W Illumination Ec at 1 working distance (Bet-6 / Mobile Beta-6) 120,000Lux (Beta 6+6) 1,20,000 + 1,20,000 Lux, Focusable light field size d10 at 1 m distance, 150-300mm	Single	2
241	VEQ-168	Silk thread reel (Black braided)	Size No.1x25m length	Single	100
242	VEQ-169	Silk thread reel (Black braided)	Size No.2x25m length	Single	100
243	VEQ-170	Silk thread reel (Black braided)	Size No.3x25m length	Single	100
24	VEQ-	Small animal examination table	2x4x3 feet heavy SS top, non rusty 4 years	Single	100

4	171		manufacturer's replacement warranty with central or eccentric receptacle for drainage of fluid		
245	VEQ-172	Spatula	SS body with wooden handle 8"	Single	20
246	VEQ-173	Steinmann Pins (with one end bevelled tip and one end thread ------ pins with both ends pointed)	3mm (each 12" length with double trocar)	Single	20
247	VEQ-174	Steinmann Pins (with one end bevelled tip and one end thread ------ pins with both ends pointed)	3.5mm (each 12" length with double trocar)	Single	20
248	VEQ-175	Steinmann Pins (with one end bevelled tip and one end thread ------ pins with both ends pointed)	4mm (each 12" length with double trocar)	Single	20
249	VEQ-176	Steinmann Pins (with one end bevelled tip and one end thread ------ pins with both ends pointed)	4.5mm (each 12" length with double trocar)	Single	20
250	VEQ-177	Steinmann Pins (with one end bevelled tip and one end thread ------ pins with both ends pointed)	5mm (each 12" length with double trocar)	Single	20
251	VEQ-178	Steinmann Pins (with one end bevelled tip and one end thread ------ pins with both ends pointed)	5.5mm (each 12" length with double trocar)	Single	20
252	VEQ-179	Steinmann Pins (with one end bevelled tip and one end thread ------ pins with both ends pointed)	6mm (each 12" length with double trocar)	Single	20
253	VEQ-180	Sterile Disposable surgical drapes	Plastic: 2ft x 2ft	Single	500
254	VEQ-181	Sterile Disposable surgical drapes	Plastic: 4ft x 6ft	Single	500
255	VEQ-182	Stetho scope	An ISO 9001-2008. Aluminium anodized chest piece with special diaphragm light weight compact and dual frequency seamless PVC tubing in different colors, Brass chrome plated concealed frame and soft ear knobs maximium sound conduction quality.	Single	500

256	VEQ-183	Surgical Diathermy unit	With mono polar and bi-polar leads; Blend, Cutting, Coagulation controls Size :310 (L)x 280 (w)x150 (H), Input Supply : 230V AC , E-Light 200 watts	Single	20
257	VEQ-184	Suturing needles with eye	Traumatic with cutting edge half circle 1/2 No: 1	Pack of 10	20
258	VEQ-185	Suturing needles with eye	Traumatic with cutting edge half circle 1/2 No: 2	Pack of 10	20
259	VEQ-186	Suturing needles with eye	Traumatic with cutting edge half circle 1/2 No: 3	Pack of 10	20
260	VEQ-187	Suturing needles with eye	Traumatic with cutting edge half circle 1/2 No: 4	Pack of 10	20
261	VEQ-188	Suturing needles with eye	Traumatic with cutting edge half circle 1/2 No: 7	Pack of 10	20
262	VEQ-189	Suturing needles with eye	Traumatic with cutting edge half circle 1/2 No: 8	Pack of 10	20
263	VEQ-190	Suturing needles with eye	Traumatic with cutting edge half circle 1/2 No: 9	Pack of 10	20
264	VEQ-191	Suturing needles with eye	Traumatic with cutting edge 3/8 circle No: 1	Pack of 10	20
265	VEQ-192	Suturing needles with eye	Traumatic with cutting edge 3/8 circle No: 2	Pack of 10	20
266	VEQ-193	Suturing needles with eye	Traumatic with cutting edge 3/8 circle No: 3	Pack of 10	20
267	VEQ-194	Suturing needles with eye	Traumatic with cutting edge 3/8 circle No: 4	Pack of 10	20
268	VEQ-195	Suturing needles with eye	Traumatic with cutting edge 3/8 circle No: 7	Pack of 10	20
269	VEQ-196	Suturing needles with eye	Traumatic with cutting edge 3/8 circle No: 8	Pack of 10	20
270	VEQ-197	Suturing needles with eye	Traumatic with cutting edge 3/8 circle No: 9	Pack of 10	20
271	VEQ-198	Suturing needles with eye	Traumatic needle staright No: 1	Pack of 10	20
27	VEQ-	Suturing needles with eye	Traumatic needle staright No: 2	Pack of	20

2	199			10	
273	VEQ-200	Suturing needles with eye	Traumatic needle staright No: 3	Pack of 10	20
274	VEQ-201	Suturing needles with eye	Traumatic needle staright No: 4	Pack of 10	20
275	VEQ-202	Suturing needles with eye	Atraumatic, round bodied half circle 1/2 , No: 1	Pack of 10	20
276	VEQ-203	Suturing needles with eye	Atraumatic, round bodied half circle 1/2 , No: 2	Pack of 10	20
277	VEQ-204	Suturing needles with eye	Atraumatic, round bodied half circle 1/2 , No: 3	Pack of 10	20
278	VEQ-205	Suturing needles with eye	Atraumatic, round bodied half circle 1/2 , No: 4	Pack of 10	20
279	VEQ-206	Suturing needles with eye	Atraumatic, round bodied, 3/8 circle No: 1	Pack of 10	20
280	VEQ-207	Suturing needles with eye	Atraumatic, round bodied, 3/8 circle No: 2	Pack of 10	20
281	VEQ-208	Suturing needles with eye	Atraumatic, round bodied, 3/8 circle No: 3	Pack of 10	20
282	VEQ-209	Suturing needles with eye	Atraumatic, round bodied, 3/8 circle No: 4	Pack of 10	20
283	VEQ-210	Suturing needles with eye	Atraumatic needle Straight No:1	Pack of 10	20
284	VEQ-211	Suturing needles with eye	Atraumatic needle Straight No:2	Pack of 10	20
285	VEQ-212	Suturing needles with eye	Atraumatic needle Straight No:3	Pack of 10	20
286	VEQ-213	Suturing needles with eye	Atraumatic needle Straight No:4	Pack of 10	20
287	VEQ-214	Surgical Tray with lid S.S	Surgical Tray with lid S.S. Seamless (IS-3993-1982) Size in mm 200 X150 mm	Single	200
288	VEQ-215	Suture removal scissors	SS, 6''	Single	20
28	VEQ-	Needles Disposable	Hypodermic Plastic mounted, Sizes: 16 G, - 1.5 inch	Pack of	1000

9	216		length; Luer mount	100	
290	VEQ-217	Needles Disposable	Hypodermic Plastic mounted, Sizes: 18 G - 1.5 inch length; Luer mount	Pack of 100	1000
291	VEQ-218	Needles Disposable	Hypodermic Plastic mounted, Sizes: 20 G - 1.0 inch length; Luer mount	Pack of 100	1000
292	VEQ-219	Needles Disposable	Hypodermic Plastic mounted, Sizes: 22 G - 1.0 inch length; Luer mount	Pack of 100	1000
293	VEQ-220	Needles Disposable	Hypodermic Plastic mounted, Sizes: 24 G - 1.0 inch length; Luer mount	Pack of 100	1000
294	VEQ-221	Syringe Disposable 10 ml with needle	10 ml (As per Drug Act. Specification) with 22 GX 1.5'' needle	Pack of 100	1000
295	VEQ-222	Syringe Disposable 5 ml with needle	5 ml (As per Drug Act. Specification) with 22 GX1.5'' needle	Pack of 100	1500
296	VEQ-223	Syringe Disposable 2 ml with needle	2 ml (As per Drug Act.Specification) with 22 G needle X1.0”	Pack of 100	1000
297	VEQ-224	Syringe Disposable 1ml with Needle	1 ml with needle, 24 G	Pack of 100	1000
298	VEQ-225	Syringe Disposable 20 ml without needle	20 ml (As per Drug Act. Specification) without needle	Single	1500
299	VEQ-226	Syringe Insulin (40 Units) Disposable with needle	40 units Insulin Syringe, Leur mount with 22 Gauge, 1" needle, leur lock, 100/box	100/Box	1000
300	VEQ-227	Spinal Needles	4'' long SS, 16G	Single	50
301	VEQ-228	Spinal Needles	6'' long SS, 16G	Single	50
302	VEQ-229	Spinal Needles	4'' long SS, 18G	Single	50
303	VEQ-230	Spinal Needles	6'' long SS, 18G	Single	50
304	VEQ-231	Speculum Eye	For Bovines	Single	25
305	VEQ-232	Vaginal Speculum- Bovines	For Bovines	Single	100
30	VEQ-	Vaginal Speculum- Sheep & Goat	For Sheep & goat	Single	100

6	233				
307	VEQ-234	Tape Adhesive Zinc Oxide	Tape Adhesive Zinc Oxide 10 Cms X 10 Mts	Single	1000
308	VEQ-235	Teat instrument kit	Set of-Sharp point probe SS 14cm, McLean Lancet SS 17cm, Pappilotome SS 12/18cm, Hudson's teat Dilator straight handle-1, Thandle- 1, Hug tumor extractor(to be removed)- teat tumour extractor with one ring ST 16 (to be included) Milking tube SS 8 cm -in a plastic box	Single	100
309	VEQ-236	Tooth rasp set	Tooth rasper dimensions and standards shall conform to Bureau of Indian Standards IS 12243-1988 Reaffirmed 2010.	Single	100
310	VEQ-237	Molar Tooth cutter	Molar Tooth cutter (Danish pattern) stainles steel heavy metal	Single	100
311	VEQ-238	T-Handle set for Wire Saw	Stainless Steel as per BIS specification	Single	100
312	VEQ-239	Thermos Flask SS	Capacity 1 Litre Both inside and outside should be made of stainless steel. A carry bag with straps should be provided for carrying the flask.	Single	100
313	VEQ-240	Towel Clip	Towel clip, 8 cm, SS	Single	200
314	VEQ-241	Trocar and cannula for Large Animals	SS triple beveled, conical section, Luer with standard Metal Hub with matched stylet and adapters.	Single unit	100
315	VEQ-242	Trocar and cannula for Small Animals	SS triple beveled, conical section , Luer with standard Metal Hub with matched stylet and adapters.	Single unit	100
316	VEQ-243	Vaccine Carrier Box	Large Vaccine carrier vaccine storage capacity 1.6 lts. Wt. Fully loaded 4.2 kgs wt. Empty 2.2 kgs External surface material HDPE (1) Internal Lining material HIPS (2) Insulation material - CFC free poly urethane Insulation thickness 35/40 mm External dimensions	Single	1000
317	VEQ-244	Wash Basin S.S.Heavy Quality	12 inches Dia, with 3 1/2 feet height stand of heavy gauze & provision for soap rack	Single	500
318	VEQ-245	Wool Shearing Machine (Power Operated)	220V. The On-Off switch should be operational with the thumb. It should be plugged in directly without adapter /transformer. The machine should be packed in a	Single	50

			suitable carrying case with necessary accessories		
319	VEQ-246	Surgical Kit	Standard size Artery Forceps-6 No's, Alleys tissue forceps-6 No's, BP handle 3/4 , Thumb forceps- plain and rat toothed, 6", Scissors- pointed and blunt, straight 6 & 8 ", Needle holder, Suture removing scissors, Groove Director , Suture needles size 1,2,3 8,9,10, half circle 50 mm	Single	50
320	VEQ-247	Medicine Storage Cabinet (Steel Shelve)	Size 916 mm width, 486 mm depth,1980 mm Height, ± 5mm including 4"pedestal with height adjustment leveler. Construction with virgin CRCA Steel Sheets of 0.8mm thickness for backside & shelves 0.8 mm thickness HSCR sheet for doors & 0.9 mm thickness CRCA for all other components, one locker compartment & four open compartments with adjustable shelves. net wt:73kg ± 2kg, finish: all surface epoxy powder coated to the thickness of 50 microns ±10 (as per IS 13871) with phosphate treated pre finish (as per IS 3618)	Single	1000
321	VEQ-248	Magnifying lens - Hand held	With light source, AA Battery operated,	Single	20
322	VEQ-249	Revolving Stool (Adjustable)	SS Complete, 304 L Grade, non rusty 4 years manufacturer's replacement warranty	Single	300
323	VEQ-250	Refrigerator-200 Lit	200 Litres capacity with three adjustable rust proof shelves with Toughened glass shelves. Providing additional space instead of Egg tray, along with double booster stabilizer, with inverter technology based compressor, 3 Star, Moist balance crisper, Fastest ice tray, 10 years manufacturer's warranty on compressor and 2 years on product	Single	100
324	VEQ-251	Refrigerator-Double Door 310 Lit	Double door Refrigerator-with Auto defrost, Energy efficient, less noise & more durable smart inverter compressor with 10 year warranty, 310 Lit capacity with adjustable 5 rust proof shelves Shelf with Toughened Glass to withstand the weight of heaviest vessels, ice beam door cooling feature, 4 star rating, Product along	Single	100

			with double booster 2 kv stabilizer. 3 years full spare parts warranty		
325	VEQ-252	Refrigerator-394 Lit	Double door Refrigerator-with Auto defrost, Energy efficient, less noise & more durable inverter compressor with 10 years warranty, 394 Lit capacity with adjustable 5 rustproof shelves Shelf with Toughened Glass to withstand the weight of heaviest vessels, 3 star rating, Product along with double booster 2 KV stabilizer. 2 years on product warranty, All round cooling feature.	Single	25
326	VEQ-253	Postmortem set	(1) Cartilage Knife 4.5'' 1pC; (2) Amputation Knife 8'' 1pC; (3) Brain Knife 10'' 1pC; (4) Bowl Scissor 1pc; (5) Post Mortem Scissor 1 pc; (6) Allise Tissue Forcep 2X3 Teeth 1 pc; (7) Disecting Forcep 8'' 1 pc; (8) Mallet Round 1 pc; (9) Chisel 8½'' X3/4'' 1pc; (10) Chisel 8½'' X1'' 1pc; (11) Chisel 8½'' X1¼'' 1pc; (12) Spine Wrench 1pc; (13) Bone cutting Scissor 1pc; (14) Steel Tape (3 meter) 1pc; (15) Amputation Saw 12'' 1pc; (16) Pipe Saw 12'' 1 pc; (17)Blow pipe 10'' 1pc; (18) Retractor -4 Prong 2 pcs; (19) Probe 6''/8'' 2 pcs; (20) Bone Holding 12'' 1pc.	Single	10
327	VEQ-254	Rumenotomy set Weingarth	With 4 modified vullsellum forcep, 6 hook and frame, thumb screw SS in each set	Single	10
328	VEQ-255	Ice Line Refrigerator and Freezer	Vaccine storage capacity: 60 to 75 lit, Ice pack freezer capacity 25 to 35 lit, Cold life without power supply: above 40 hrs. Capacity of ice pack storage - 25 to 40 of 0.5 to 0.6 lit capacity. Two lockable lid with four catches with silicon gasket for tight sealing. Four wire basket for an optimum storage. Outer and Interior material-Polythene. Insulation- Polyurethane. Insulation thickness-100 to 125 ml, Voltage:220-240 VAC 50/60Hz, Refrigerant- R134 a or R600, Ice lining-20 to 25 ice packs of 0.6 lit which act as ice bank during power cuts and Aluminum removable inner liner to protect the Ice pack with 2KVA Stabilizer.	Single	100
32	VEQ-	Ultrasound scanner Veterinary	Portable Display mode: B, B/B, B/M, M colour doppler -	Single	5

9	256		Probe type- linear, curvilinear, micro convex, phased array(cardiac) Probe Frequency; 2.5 MHz-7.5 9.5 MHz . Minimum 3 years onsite warranty -Veterinary specific software with storage backup and printer facility.		
330	VEQ-257	C-ARM for Orthopaedic Surgeries with compatible Surgical Table	Imaging system: Image intensifier tube with Power supply unit 9" (230 mm) Triple field (very high resolution) X-Ray Round Grid 9"-8:1, 103 LPICCD CAMERA-1/2"B/W CCD camera of very high resolution with special lens, CCIR standard - 625 lines, Monitors (2 Nos) with minimum of 17" monitors of high resolution mounted on a Mobile Trolley C-ARM MOBILE STAND: Rotation (180 degrees), Motorized Up/Down, Horizontal travel, Arc orbital movement Wig Wag. High Frequency X-Ray Generator:40 KHz high frequency, Dual focal Anode with Collimator Max voltage 120 KV, Fluoroscopic mA (Normal mode) 0.1 to 5mA, Mains Voltage 230 V AC +/- 10%. 50Hz, Max. output power 6 KW. Fluoro & Rad. Mode selection Technique. An inbuilt Radiographic Timer, 5 minutes cumlative Fluroscopic Timer with Buzzer. Monoblock Temperature Sensor, Self diagnostics for sequence of Machine operation & highlighting any errors. Voltage Stabilier zand Automotic Brightness Control. Digital Imaze memory system-100 Frame memory with desirable features of LIVE/PULSE/LIH, Averazing 1 to 16 frame, Contrast enhancement function, Temporary & Permanent storage upto 100 frame, negative image, ,feature, Zoom(x2 & x3), zMirror feature, Image rotation, PEN DRIVE provision, keeping date & time and PC connectivity through LAN port. Table for C-ARM USE in Orthopaedics: Adjustable three motion table with Radiolucent Top Compatible for C-ARM use. Lead APRON and Lead Gloves: 4 Nos Aprons and 2 pairs Gloves. CR system: Contrast resolution / Grayscale resolution -16 bits / pixes . Work station with Image	Single	5

			processing software: Veterinary applications are mandatory. Printer / Image: Dry Imager with more than 300 dpi resolution. Latest Generation Fully Beam former. Convex / Linear / Phased Array / Endocavity 19" Fully Flat high resolution strain free TFT color monitor with tilt facility 2D, Dual 2D & M-mode Split and Full, 2D-CFM, Tissue Enhancement facility Convex, Linear, Endocavity and cardiac. High sensitive CW/PW/HPRF Doppler. High resolution and sensitive color Doppler with high frame rate Power Doppler and Directional Power Doppler. Cine Loop and scroll facility, real time storage of Clips & Still Images.Storage Media - Internal Hard Disk / USB Pen drive and Direct CD writer, and DVD reader. Bio-Lab Data Management for workflow management. Direct connection to Ink Jet printer or Laser Printer. Transducers: Convex probe (2-7 MHz) for abdominal equine & tendon scan-1. Microscope: Stand should be heavy weight H-shape base on lockable castor wheels. Swivel arm mounted on pillar. Bionacular Tube: Inclined, f70mm focl length APO chromotic Mognchnger: 0.4x0.63x1.6 & 2.5x Eye piece: WF 10x/16mm with eye gurds. Common mn objectve (CMO):f200mm wth motorized fine focus. Built-in-Fil,zters:Green & Blue&Vertical, movement:600mm Points of Articulation :Swivel , Suspension (XYZ), Microscope. All points of articulation are locable. Microscope mount: Motorized carrier. Packagecontents: Tools for Securing base and pillar, Sterilizable knob covers & Nylon dust cover.		
331	VEQ-258	Ultrasonography Unit With Color Doppler For Veterinary Applications with Vety Cardiology software with printer facility with US guided biopsy facility	Ultrasound and Color Doppler System capable of performing whole body imagine applications like Abdominal, Obstetrics & Gynecology, 3D/4D, Cardiac, Vascular, musculoskeletal applications in large and small animals.System Features: System should function	Single	2

			with the following modes 2D, M-Mode, PW, CW, Color Flow Imaging, Color Power Angio & Tissue Harmonic Imaging. Color compare, Color / Color Power and normal grayscale mode. Should be available side-by-side or equivalent. Digital Processing Channels Minimum 100000 Digital Channels. Grayscales 256 shades of Gray Scales. Advanced image processing algorithms for improved image quality to analyze between targets & artifacts, sharpen target anatomy and reduce speckle & artifacts. System must have real time multiline compounding imaging with minimum 15 lines of sight. High Dynamic Range 230 dB or more Depth of Display depth of 3 - 35 cm. High frame rate 2D frames 1000 or more Auto optimization, automatic quantification of B mode and Doppler parameters must be available in real-time & freeze modes for ease of use following functions.Pan Zoom facility on live and frozen images. Active ports Minimum 3 active ports for pin less electronic transducer connectors. Probe connectors should have latest pin less connectors. Display monitor High resolution Color TFT LCD display of 19 inches or more with articulating arm for adjusting good viewing positions. System Ergonomics Height adjustable and rotatable control panel. Touch screen control panel In-built color touch screen display for fast access to user Image. Archival on Hard Disk Capability to directly store images and video loops in the in-built Hard Disk Drive. Image storage capacity on hard disk drive should be minimum 250 GB or more. Image Archival facility on medium other than HDD CD/DVD writing, USB port or network storage with facility for image transfer. DICOM capability for networking and communicating images Advanced DICOM 3.0 ready facility should be available. Alphanumeric keyboard with soft keys for easy access		

			scan controls and Facility to sanitize system keyboard to avoid cross contamination. System should be upgradable to real time 3D/4D capability. Should be upgradable to intra operative probes. System must have a extended field of view imaging. Transducers Technology: Technology: Broadband probes and should have pin less or zip type connectors for fast transmission and should be latest Matrix light weight technology. Transducer technology broad Bandwidth Beam former technology for extreme high resolution 2D imaging and capable of frequency range from 1-18 MHz. Transducer to be supplied as standard: Convex Array probe 2 to 7 MHz Broadband frequency for trans abdominal applications. High Frequency Linear Array probe 4-13 MHz frequency Trans-rectal probe 5-10 MHz for large animal reproduction applications Phased Array probe with 1-4 MHz frequency for small animal cardiac applications Standard Accessories: B/W Thermal printer 1 No. of latest model Suitable online UPS with 20min inbuilt Back-up Warranty: Warranty on entire system including Probes and major accessories System should be supplied with two year warranty. Comprehensive AMC charges for five years post warranty period should be Quoted separately. Certifications: European CE and USFDA certification for the quoted model must be enclosed and Manufacturer ISO Certificates.		

332	VEQ-259	Colour Doppler Ultra Sound Machine (3 Probes-convex, micro convex, Rectal probe + Cardiac probe + Veterinary Software)	Technical Specifications for DIGITAL Ultrasounf 4D Color Droppler Machine for Veterinary Applications: 1.Digital Ultrasound color Droppler system, for veterinary Application. 2.Technology : Fully Digital Broad Band Beam - Former with Height Adjustment . 3. Probes Technology /Capability :- Broad Band Electronic Convex Array Probe - 2 to 6 MHz (Selectable 2.5/3.5/5.0/6.0MHz) Abdomen /OB/ Gynaecology Application With Biopsy Guide. 4. Linear Array Probe 5 to 13 MHz for MSK and tendon application. 5. Electronic Phased Array Probe 2 to 4 MHz for Cardiac Application. 6. Monitor Type : Minimum 15" TFT / LCD Monitor , Swift and Swivel Facilities. 7. Probe connectors: Minimum 3 probes active imaging connector any probe can be connected to any port. 8. Key Board: State of the Art Min 10" Touch Panel Keyboard and Illuminated and Soft keys for ease of use with inbuilt QWERTY kEY BOARD. 9. Imaging : B, B+B, B+M, 4B, B+PW, B+CW, B+CFM. 10. M-Mode with variable sweep speed. 11. Spectral :- 1. PW, HPRF & Steerable CW Doppler 12. Selectable PW/CW Doppler 13. Selectable sample size. 14. CFM:- 1. Variable Maps for velocity variance. 15. 2. Variable Electronic Steering with Linear 16. 3. Power Doppler (Various Maps). 17. Zoom Facility :- User Adjustable region of interst 18. Set of Annotations for every application . 19. Body marks for every study with pointer 20.Memory storage / Data Management :- Must allow images and video clips to get stored, reviewed and exported in Different Formats. 21. Direct Printing	Single	2

			solution through laser Printed : Images must be printed on laser Printer in format of 4 or 6 spots per paper 22. USB Pen drive writing with Imaging 23. General Measurement & Advance calculation packages : Extensive advance calculation packages & General measurements for B Mode M- Mode &Doppler Separately for Dogs/Cattle/horses etc . 24. Printiing Facility: Printed Directly throught laser printer. 25. UPS: Suitable online UPS Should be supplied along with the machine with minimum 20Min Back up 26. Laser Printer: Suitable Color Laser Jet 27. Applications :Abdomen Cardioliogy Reproduction small parts and Musculoskeletal 28. Optional Probe: 4D Volume convex probe for 4D Applications. 29. Echo Table 30.Warranty one year from the date of installation.		
333	VEQ-260	Vital Signs Monitor	Monitor should be veterinary specific. Minimum 12" high resolution color TFT LCD display Real time ST Segment, pace maker detection patient info input management system and indication of incorrect manipulation and malfunction analysis. capture dynamic waveforms.Should have following parameters ECG, Respiration, NIBP, SPO2, 2 Temperature and PR/HR. All Probes should be veterinary specific. All sizes of NIBP cuffs for various animals (Enclose catalog with pictures). Spo2 sensor should be able to give correct readings while attached to tongue / tail or perforated areas of animals. Multi lead ECG waveforms display in phase. Large easy to ready values of veterinary parameters. Should be upgradable to IBP and ETCo2 . Enclose catalog to ensure that all leads are for veterinary use. Human monitors are not acceptable.	Single	2
334	VEQ-261	Otoscope with light source plain	Veterinary video otoscope. UB CAM PRO. UB CAM Pro 2.0TM Videoscope. A useful tool for various applications in veterinary clinics Lightweight, allowing single hand	Single	2

			use. Excellent image quality. Live view with still image and video capture. Review data with client or for referral. Easy file/save image documentation		
335	VEQ-262	Ophthalmoscope with flexibility facility	Choice of XL 3.5 V xenon lamp or HL 2.5 V halogen lamp. Easy-to-operate aperture hand-wheel with semi-circle, small/medium/large circle fixation star, slit and red-free filter with contrast-enhancing effect. Optimized high-performance optics with aspherical condenser lens Parallel beam path Dust-proof.	Single	3
336	VEQ-263	X-ray 500MA for Small Animal. With installation including power requirements, lead apron, lead shielding boots, gonad protector , thyroid collar , according to statutes of AERB of India with safety monitoring devices and gadgets.	THE SYSTEM SHOULD BE 500 mA, 40KW GENERAL PURPOSE, FULL-WAVE RECTIFIED X-RAY EQUIPMENT, SUITABLE FOR RADIOGRAPHY OF STANDING, SITTING OR RECUMBENT PATIENTS WITH MULTI POSITION SEMI MOTORIZED EXAMINATION TABLE. THE SYSTEM SHOULD COMPRISE 500mA X-RAY GENERATOR WITH HIGH TENSION TRANSFORMER AND INTERFACE CABLE. THE SYSTEM MUST BE SUITABLE FOR CONVENTIONAL AND HIGH KV RADIOGRAPHY. IT SHOULD HAVE MAINS VOLTAGE COMPENSATION AND FILAMENT STABILIZATION ALONG WITH OVER LOAD PROTECTION CIRCUIT. GENERATOR FUNCTIONS : Microprocessor controlled APR for all Body Parts through Soft Touch Key Board Panel. KVp , Technic and mAs should be automatically selected by selecting the Body Part, Also Manual option should be there to change the factors. Each Key should be reprogrammable as per requirements. Independent – KVP, mA and mAs selection facility for better radiographic results. Should be LCD Display of Selected Factors. Should be Line voltage compensator for coarse and fine adjustment. Should be Microprocessor Based time selection for better accuracy. 2 Step kVp and Single Step mAs for better Radiographic results. Should be provided with Digital meter for Main Line voltage display for accurate exposure.	Single	2

			Microprocessor Based Electronic Overload Protection for Better Tube Safety Life should be provided. At least 12 extra Programmable keys for additional kVp , mA and mAs data storage should be provided. Microprocessor based auto selection of Bucky with Manual Option. Password protected Exposure Counter. FOR RADIOGRAPHY : THE RADIOGRAPHY VOLTAGE SHOULD BE FROM 40KV TO 125KV IN STEP OF 1KVP .THE SYSTEM HAVING ELECTRONIC TIMER (AUTOMATIC SELECTION BY MICROPROCESSOR). SMALL FOCUS : 50mA, 100mA. LARGE FOCUS : 300mA, 500mA. THE SYSTEM SHOULD HAVE DIGITAL / LCD DISPLAY OF KV, mA AND MAs. THE SYSTEM SHOULD HAVE THE FACILITY OF RAPID BREAKING OF THE ROTATING ANODE TO INCREASE THE TUBE LIFE. TABLE: IT SHOULD BE VERSATILE, ACTUATOR DRIVEN, MULTI POSITION EXAMINATION TABLE. TABLE SHOULD HAVE PROVISION TO STOP AT ANY POSITION FROM 0 TO 90 DEGREE. IT SHOULD HAVE SECTIONAL RAILS ON BOTH SIDES OF TABLETOP FOR ATTACHING RADIOGRAPHIC ACCESSORIES. STAND: IT SHOULD HAVE FLOOR - CEILING COLUMN STAND WITH RAILS FOR MOUNTING WITH MECHANICAL LOCKS AND SMOOTH MOVEMENTS.POWER: 440V, 50/60 Hz WITH THREE TO SINGLE PHASE TRANSFORMER. APPROVALS: Equipment should be BIS and AERB Approved. Manufacturer Should be ISO 9001 : 2015 and ISO 13485 : 2016 certified. Equipment should be CE Certified. X - RAY TUBE: TOSHIBA Make Rotating Anode Dual Focus X-Ray Tube with HT Cable of 6 Mtr Length with Manual LBD. Focal Spot of the Tube should be : 1.0mm Sq x 2.0mm Sq and Heat Storage Capacity 140KHU. (lead gloves, lead aprons,lead screen, dark room tanks, lead alphabets & numbers)		

337	VEQ-264	Ambubag	Silicon, 250ml, auto clavable, heavy duty	Single	10
338	VEQ-265	Veterinary Computerized radiography or Digitalization of x-ray with Consols, Monitors, Cassettes, Scanner, Printer-optional Working table, chairs.	The CR System should be suitable to use for small and large animals. System should be complete with two monitors, computer and dry laser printer. Operating voltage. 220 volts. Should be supplied with UPS with a power back up of 15 minutes. Should be supplied with 2 No's cassettes of 10x12" and 14x17" each System should have auto inline eraser. Should be supplied podo block with skid proof rubber feet for problem free X ray of hoofs along with the set of hoof instruments. Telescopic cassette holder for cassette size for 10x12" and 14x17" for taking X ray of spines and areas which are difficult to shoot. Cassette holders 2 nos each for 10x12" and 14x17". CR system should handle at least 68 cassettes per hour or more. The cassette scanner should not be of roller type and should be contact less scanning system for long life of the cassette and better image quality. Should have two 19" monitors. Should be equipped with Veterinary specific software. System should be up gradable to mammography option as and when required in future. Assists in diagnosis with software tools that provide easy calculation of critical dimensions. • Features DICOM functionality and connectivity. Installation, Demonstration and furnishing of CR room with false roofing, two ton AC, flooring and flush door facility will be company responsibility (Site can be inspected properly before quoting). Company should provide two years warranty and after warranty period the amount required for three years AMC should be included in the price. Catalogs must be enclosed with the offer, without which the offer will be rejected straightway. Computer: Processor: Core i5 5th generation.Ram: 4gb. Os: Windows 8.1 licensed original	Single	2

			must be upgradable to windows 10 (OFFICIAL VERSION). HDD: At least I TB. Monitor : Two LCD 19" or 20		
339	VEQ-266	Dowling spay retractor	Complete set	Single	1
340	VEQ-267	Gelpi retractor	Sizes 4.5"	Single	1
341	VEQ-268	Gelpi retractor	Sizes 6.5"	Single	1
342	VEQ-269	Balfour Retractor	Sizes 6"	Single	1
343	VEQ-270	Balfour Retractor	Sizes7"	Single	1
344	VEQ-271	Lane Retractor	Double ended blades wide 13mm and 19mm and wide 25mm and 32mm	Single	1
345	VEQ-272	Hauptman Spay Retractor	Sizes J925	Single	1
346	VEQ-273	Hauptman Spay Retractor	Sizes J925a	Single	1
347	VEQ-274	Hauptman Spay Retractor	Sizes J925b	Single	1
348	VEQ-275	Hauptman Spay Retractor	Sizes J925c	Single	1
349	VEQ-276	Spay Hook	Size 6"	Single	1
350	VEQ-277	Spay Hook	Size 8''	Single	1
351	VEQ-278	Millipore tape	1/2"	Single	1
352	VEQ-279	Millipore tape	1"	Single	1
353	VEQ-280	IV canula (intravenous catheters)	Sizes 20G,	Pack of 100	5
35	VEQ-	IV canula (intravenous catheters)	Sizes 22G	Pack of	5

4	281			100	
355	VEQ-282	IV canula (intravenous catheters)	Sizes 24G	Pack of 100	5
356	VEQ-283	Small Animal Anesthetic Machine with Isoflurane Vapourizer and Sevoflurane	Should have 1500cc heavy duty “Coaxial” absorber, recessed. Preferably molded Canister Should have Single large thumbscrew canister release Should have .1 to 4 l pm precision Oxygen flowmeter and Rotary float and large scale for improved readability. Should have recessed flush valve to prevent accidental activation and Quick connect fresh gas outlet for easy and secure switching between breathing circuits. Should have creservoir bags 0.5L,1l, 2l, 3l, and 5lts.Should Selectatec compatibility manifold for easy and quick installation of any model Vaporizer.Should have Large Quick Lock Inspiration and Expiration domes for easy access and visibility. Instrument shelf, stainless steel Momentary closed feature incorporated into our pop-off valve.Circuit pressure gauge, easy to read and large Patient circuit pressure alarm audible.Rotating bag mount for ease of visibility and easy access fairy good built in Evacuation connector. high stability frame with good long lasting finishing.Large heavy duty cushioned castors, 2 with locks, for easy glide and long life. Easy compatibility for easy installation of brain circuit and scavenger interface. Oxygen supply hose 9ft, Patient circuit with 2 and 3 L bags Drawer module atleast 4 drawers with Larger Monitor shelf. Scavenger interface, Preset regulator Should have all sizes of available Veterinary specific masks with diaphragms from small feline to large canine. Minimum Three year Onsite warranty. Should have supplied similar machine to some veterinary institution and if required demonstration should be given." with AA size oxygen cylinders with trolleys with Bains circuit rebreathing bags of various sizes of 1/2, 1, 2, 3, 5 lits	Single	1

			and Sero Installation + Bins circuits + Rebreathing Bags of 1/2, 1, 2, 3, 5 liters.		
357	VEQ-284	ST-200 CL Electrolyte Analyzer	Sensa Core's ST-200 CL Electrolyte Analyzer is completely automated, microprocessor controlled electrolyte system that uses current ISE, technology to make electrolyte measurements. The ST-200CL product measures various combinations of sodium, potassium, Ionized Calcium, Lithium, pH and Chloride in whole blood, serum, plasma, and urine. Sensa Core's ST-200CL / 200Plus / 100B Electrolyte Analyzer products are speci_cally designed to meet the needs of small to medium-size laboratories by Inventing and developing the latest technology, Sensa Core's Electrolyte Analyzers improve lab productivity, while delivering sample results economically. Snap-in electrode design, combined with precise control of calibrator volumes, ensure economical operation and a low cost per sample in our Analyzers. Maintenance of Sensa Core's Electrolyte Analyzers is limited to the replacement of Reagent Pack, Maintenance Free Electrodes, Disposable Valve and Pump Tube which are just plug and play. Depending upon customer requirement ST-200CL is Available in two variants in terms of Sampling procedure. ST-200CL Flip based Analyzer. ST 200CL Slider based Analyzer	Single	1
358	VEQ-285	Veterinary Surgery Table -Electric / Height-Adjustable On Casters	Lubb veterinary electric surgery table. Electric model, "X" shaped stainless steel base; This veterinay surgery table has a flat top, reclinable up to 16º. Dimensions: 130x60x61-108 cm; Capacity: 150 kg.	Single	1
359	VEQ-286	Medical Endoscope with LED light source and Endoscopy Trolley	Configuration List: Packing List: Endoscopic Monitor 19 inch - 1, Computer Display-1 , LED Cold Light Source-1, CCD Camera(700 line) -1, Canon Printer-1, Computer-1, Trolley-1, CCD Camera : The white balance Automatic/manual lock white balance, White balance range 200-15000''K, Image sensor SONY SUPER HAD	Single	1

			CCD, The output pixels,AL:795(H)*598(V), Scanning system PAL:752lines,50field/sce, Synchronization system the synchronous, Horizontal definition ≥700(line), Video output 1.0VP-P.75(ohms), Signal to noise ratio >52dB, Gamma correction 0.45, Electronic shutter 1/50-1/100000 second consecutive, Minimum illumination 0.5lux XF2.,Remote control The camera can lock white balance. LED Cold Light Source: The power supply AC220V,50HZ, LED power 100W 60W for option, Intensity of illumination ≥1400000lux, Output flux 1800lm, Color temperature 3000k-7000k, Color rendering index ≥90, The power supply 400-700nm, Noise ≤55dB. Monitor: Display 19" SD, Size ratio 5:4, Distance 0.294*0.294mm, Resolution 1280*1024, Chroma 16.7M, Brightness 400, Contrast 1400:1, The response time 5ms, Viewing Angle 178°(H)*178°(V), Input signal HDMI/DVI/VGA/CVBS/USB/3G-SDI/HD-SDI no available, Output signal CVBS, Power supply AC100-240V50/60HZ, Power 40VA. Option: CCD Camera 900 line/1100 line, Medical monitor 24 inch, Endoscope ENT mirror, arthroscopy, laparoscopy, etc. Endoscope Flexible - 1, Laproscope flexible- 1, Otoscope flexible- 1, Gstroscope flexible -1, Opthalmoscope flexible-1, Tracheo - Bronchoscope - 1,		
360	VEQ-287	Veterinary Orthopedic Pinning Kit	ITEMS: Mini reduction forceps serrated - 2, Mini periosteal elevator (sizes - 6" & 8") - 1 (In each cetegory), Wire tightner cum twister - 1, Wire passer small - 1, Wire cutter double action - 1, Steinmann pin introducer with SS chuck and key - 1, Self centering Bone holding forceps (Size - 6") - 2, Bone Nibbler straight double action - 1, Universal hand drill - 1, Orthopaedic wire (S.S) (Size-22G, 20G,18G) - 1 (In ecah category), Steinmann Intramedullary pins (Size - 2.5mm, 3.0mm, 3.5mm, 4.0mm4.5mm, 5.0mm) - 4 (In ecah category), Loman	Single	1

			bone holding clamp (size - 6") - 2, Liston straight bone cutting forceps (Size - 6" & 8") - 2 (In ecah category), Still-Leur double action rangeurs - 2, Gorden extender - 2, Chisel and Osteotome - 2, Bone curette -2, Bone rasp (size - 8") - 2, Spade - 2, Bone reamer - 2, Intramedullary pin cutter (Large size) -2, Bone hook -2.		
361	VEQ-288	Bone Plating kit	3.5 screw box (8 "x 4"), cortical screws of all lengths with a completely filled box, drill sleeve for 2.7 mm drill bit, 2.7 mm drill bit, depth gauze, 3.5 mm tap, orthopedic scale, screw driver for 3.5 mm cortical screws	Single	10
362	VEQ-289	Stretchers 7 feet length with wheels (S.S)	Stretcher on trolley (Size : 84" * 22" * 32") Fully stainless steel with 6" wheels with Squire pipe 1"	Single	1
363	VEQ-290	Oxygen Cylinder (Bulk type)	7 cubic meter capacity, Empty cylinder weight = 51kg, Height : 4' AA size with trolley	Single	2
364	VEQ-291	Veterinary Suction Apparatus	Max vacuum: ≥0.08MPa(600mmHg), Fall of vacuum when sealed: ≤0.005MPa(38mmHg)/10min, Storage bottle: 1000ml (glass) with double glass jar, GW/NW: 5.5kg/3.5kg, Packing dimension: 36.5cm×27.5cm×30.5cm	Single	2
365	VEQ-292	Cardiology Diagnostic Stethoscope	Ergonomic and high profile construction; 40% larger chestpiece and 60% deeper bell than the 3M™ Littmann® Classic III™ Stethoscope, Designed for use with adult and pediatric patients. Tunable, dual-sided stainless steel chestpiece with open or closed bell. Non-chill bell sleeve for greater patient comfort. Soft-sealing eartips provide optimal comfort and excellent sound occlusion. Made without natural rubber latex. 7 years warranty	Single	2
366	VEQ-293	Veterinary Blood pressure Monitor	Method of Measurement: Oscillometric. Blood Pressure Range: Systolic: 40 – 265mmHg, MAP: 27 – 222mmHg, Diastolic: 20 – 200mmHg, Pulse Rate Range: 25 to 300 BPM (Beats Per Minute), Cuff Deflate Rate: Deflation step size varies with heart rate, cuff pressure and cuff volume, Initial Inflation Pressure: 180 mmHg (default)	Single	10

			Subsequent initial inflation: previous Systolic + 30 mmHg, Transducer Accuracy: ±3mmHg between 0 mmHg and 300 mmHg, Transducer Calibration: Recommended bi-annually or if a calibration problem is suspected, Operating Conditions: 0°C to 50°C, 15% to 95% non-condensing humidity, Storage Conditions: -20°C to 65°C, 15% to 90% non-condensing humidity, Altitude: Measurement accuracy not affected by altitude, Power: 4 AA alkaline batteries., A/C Power Adapter - Input: 100-240v ~ 47-63Hz 0.48A Max, Output: 5.9V 3A 17.7W Max, Dimensions: 6.25" x 5" x 5.25" (15.9cm x 12.7cm x 13.3cm), Weight: 1.3 lbs (0.59Kg) with batteries		
367	VEQ-294	Kerato Meter	Coincidence focusing system with positive measuremnt, One posiyion instrument and measures both meridians without changing the optical system, 2way adjustable chin and head rests, Positive fixation permits rapid measurement of central corneal thickness, achromatic lenses, simple vertical adjustable head to fit patient, dual eye level sighting system, facilitates horozontal aligment, positive fixation, permits rapid measurement of central corneal area. Measurement Ranges : Corneal radius : 6.4-9.4mm in 0.05mm step, Corneal power : 52-36 D diopter in 0.25 D step, Corneal astigmatism axis : 0° - 180°. Electrical Specification : Light source : 15W tungsten bulb/ LED, Power Supply : 110-230v, 50-16Hz, Physical Parameters: Dimension (L*B*H) : 19*7*16 inches, Weight : Aprrox 7kg	Single	2
368	VEQ-295	Operating Microscope	MAIN MICROSCOPE : Magnification type : 3 step, Magnification : 0.6x, 1.0x, 1.6x. Arm length : 900mm, Net weight : 65kg. COMMON TECHNICAL SPECIFICATIONS : Eye pieces : 10x, Diopter adjustment from +6 to -6. Inter pupillary distance : 55mm-75mm. Working Distance : 175mm or 200mm. Fine locusing control : monitorised ny foot control. Filter : UV Heat	Single	2

			absorbing filter. cobalt blue, green (Redfree). Light source : 12v, 100w Halogen bulb with stand by lamp /holder. Light transmission : fiber optic cable. Arms : Counterbalanced spring arms. Stand ; brilliant floor stand. ELECTRICAL SPECIFICATIONS : Power supply : 110-230v, 50-60Hz, Power Consumption : 100 watts		
369	VEQ-296	Indirect Ophthalmoscope (CORDLESS)	Focus distance : 300-800mm, Inter pupillary distance : 54-74mm, Pupil size optics : 1.00mm, Illumination : LED illumination, Field ; Good, clear, circular, Illumination spot size : ø4.0mm, ø3.0mm, ø1.2mm, Illumination area(at the distance 500mm): ø80mm, ø60mm, ø25mm, Illumination source : LED on the instrument, Illumination control : low,high, Filters : Heat absorbing, green, cobalt blue. ELECTRICAL SPECIFICATIONS : Power supply : 110-230v, 5o-60Hz, Light source : LED, Battery : Rechargable.PHYSICAL PARAMETERS : Weight : 550g and gross 2.1kg, Dimensions(L*B*H) : 240*210*130. Standard accessories for Cordless : Battery charger, Carrying case, Scleral depressor, Fundus chart, Marking pencils , instruction manual, 1.20 Diopters aspheric viewing lens, double sided co-observation teaching mirror	Single	2
370	VEQ-297	USB Computer Microscope	Superior Quality Professional Infinity Corrected Polarizing Trinocular Microscope. Larger 30mm Eyepiece Ocular Tubes. Most compound scopes are 23mm. The larger size allows for less eye strain, much easier viewing, and a larger and better quality Excellent Bright and Clear Images through High Quality Optics.	Single	2
371	VEQ-298	Digital Camera	Digital camera with 20 MP, 16 Gb memory card with Camera case,	Single	50
372	VEQ-299	Examination Gloves	Polythene disposable examination hand gloves, easy wear, all size, pocket contains 1000 No.	Single	2000

373	VEQ-300	Disposable Surgical Aprons	Disposable Surgical Aprons of Standard material	Single	1000
374	VEQ-301	Surgical Cotton Gowns	Small/Medium/Large/XL/XXL Size	Single	500
375	VEQ-302	Infant Feeding Tubes	Size 5	Pack of 100	5
376	VEQ-303	Infant Feeding Tubes	Size 6	Pack of 100	5
377	VEQ-304	Infant Feeding Tubes	Size 7	Pack of 100	5
378	VEQ-305	Infant Feeding Tubes	Size 9	Pack of 100	5
379	VEQ-306	Clipper - Veterinary Hair Clipper for Surgical preparation	Heavy duty cordless clipper, 200W motor, Voltage: DC12V Cutting speed: 2500 RPM, Run time: approximately 1.5 hrs per battery Charge time: approximately 2.5 hrs per battery Batteries: 2 x 6000mAh Li-ion Batteries Weight : approximately 1.05 kg	Single	100
380	VEQ-307	Foleys Catheter	Size 16 French	Single	25
381	VEQ-308	Foleys Catheter	Size 20 French	Single	25
382	VEQ-309	Foleys Catheter	Size 22 French	Single	25
383	VEQ-310	Foleys Catheter	Size 24 French	Single	25
384	VEQ-311	Foleys Catheter	Size 26 French	Single	25
385	VEQ-312	Washing machine	Fully-Automatic,Best Wash Quality, Energy and Water efficient 4 years machine warranty + 10 years Motor Warranty + 10 years Spares Support (on-site) 10+1* Wash Programmes: Mix/Daily, Smart Sense, Express 30, Delicates, Tub Clean,	Single	100

			Anti-Allergen, Stain fighter, My Cycle 720 RPM: Higher spin speeds helps in faster drying, Aqua Energie Device for Water Softening, Better Detergent Action & Color Protection, Active Color Protection, Lint Tower Filter, Biaxial 360 degree Rotation for cleaning every part, Triadic Pulsator for Deep Cleaning Triadic Pulsator: A 3 Way Wash Action for Deep Cleaning Capacity 8 kg: Suitable for heavily soiled cloths		
386	VEQ-313	Scrub suit	TWO TROUSER POCKETS ELASTIC WAISTBAND WITH ADJUSTABLE DRAWSTRING 4 WAY STRETCHABLE MOISTURE WICKING FABRIC & CARE POLYESTER 68%, RAYON 27%, ELASTANE 5% NORMAL MACHINE COLD WASH Sizes: M, L, XL, XXL, XXXL HIGHLY DURABLE WITH DOUBLE STITCH ANTI STATIC RIDICULOUSLY SOFT & BREATHABLE DRAWSTRING COLOUR GREY	Single	100
387	VEQ-314	Reverse Osmosis System (Big)	RO Purifier with Hydrostatic Tank enabled with RO+UV+UF+TDS Contoller;Suitable for Purification of Brackish / Tap Water;Storage Capacity 9 L;Purification Production Rate 15 L/hr;Input Power Supply Single Phase 220 ± 10 V AC, 50 Hz,WQA, NSF and ISI certifi	Single	100
388	VEQ-315	Milli-Q ultrapure type I water purification system	Production flow rate rate 5litres per hour,particles -no particles with size more than0 .22micrometres,bacteria less than 0.01 CFU per millilitre,endotoxins-less han 0.01EU/ml,TOC-less than 2 PPB dimensions: H X W X D 498 X315 X 380mm, 5 years warranty	Single	50
38	VEQ-	Largngo Scope	With 3 different size Blade suitable for Large and Small	Single	50

9	316		dogs		
390	VEQ-317	Woods Lamp	Hand held woods lamp for diagnosing skin diseases in animals, 4 UV lamp tubes with PVC material protector board, non-slippery handle, with magnifying glass ABS material case Black shield cloth should be provided	Single	50
391	VEQ-318	Doppler BP Monitor	Type: CW ultrasonic Doppler blood flow detector Ultrasound Frequency: 9.6 Mhz Construction: High impact ABS-PC Dimensions (Overall): 6" x 4.625" x 1.75" Weight: 15 oz. Doppler Frequency: 9.6 MHz Audio Output: Speaker and headset jack with speaker?cutoff Power Adaptor: Input: 110/220 VAC 50 or 60 Hz. Output: 5 VDC (Will not operate with AC connected) Battery: Rechargeable Lithium-ion Battery Use Transducer: Focused piezoelectric elements with 5 Ft.Cable Between Charges: 35-40 hours continuous Transducer Dimensions: 0.6" X 0.5" X 0.24" Connector: 5 Pin circular DIN Sphygmomanometer: 0-300 mmHg certified manometer?with bulb type pump and deflation valve.Headphones: Stereo audio with 3.5 mm phone plug Cuffs: 6 ea. for limb circumferences 3.3-16.8 cm	Single	50
392	VEQ-319	Autoclave with 4 Dressing Drums, 2 drums can be fitted with autoclave	Volume-45 Liters Inner dimensions-12 x 22 Inch (Dia. x L) Drum capacity-02 Nos. 11*9 inch Heater-ISI mark Immersion heater 2 KW Heater-ISI mark Immersion heater 2 KW MOC Exterior-Painted MS Stand and ring-Chrome plated MS Sterilization chamber-SS 304 Lid-Painted MS w/ SS inner line Locking system-Radial locking mechanism w/ pedal lifting device Pressure-15 to 20 psi Temperature-121°C to 125°C Pressure release-Manual release value Pressure display-Dial pressure gauge Pressure control-Automatic pressure control switch Gasket-High temperature joint less silicone rubber gasket Timer-Mechanical timer adjustable up to 60 minutes Safety-Spring loaded safety valve on lid Safety-Spring loaded safety valve on lid Power supply-	Single	50

			220 Volts 50Hz Test confirmation-Hydraulic tested at 2.5 times of working pressure Standard fittings-Mains on/off switch SS stand to keep drums Water level indicator Water drain valve Power cord with three pin plug Optional-Low water cut-off device Dressing drums 11*9 Inch & 15*12 inch All stainless steel construction Triple walled construction Digital temperature controller cum timer		
393	VEQ-320	wireless oscillating ortho saw	Power Output : ≥ 80W Speed : 0-15000(osc/min) Noise : ≤ 75 (db) Battery : 9.6 (V), Ni-Mh, 1800 mA/h Sterilization : 135° C	Single	50
394	VEQ-321	Rubber mats	Water Resistant,Slip Resistant,Dirt Resistant	Single	50
395	VEQ-322	Wire Tensioner	Material-Stainless Steel Type-Orthopedic External Fixator Instrument Usage/Application-Orthopedic Surgery Packaging Type-Standard Color-Bright CE Marking-With CE Marking I Deal In-New Only Finishing-Bright Finish	Single	100
396	VEQ-323	Hammer	With 2 functional heads Easy to handle Includes pin and brush Weight: 105 g Length: 17 cm	Single	100
397	VEQ-324	LCP PLATE - 2.7mm - 6H	2.7mm - 6H made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
398	VEQ-325	LCP PLATE - 2.7mm - 8H	2.7mm - 8H made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
399	VEQ-326	LCP PLATE - 2.7mm - 10H	2.7mm - 10H made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
400	VEQ-327	LCP SCREW - 2.7mm - 10mm	2.7mm - 10mm made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
401	VEQ-328	LCP SCREW - 2.7mm - 12mm	2.7 mm- 12mm made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
402	VEQ-329	LCP SCREW - 2.7mm - 14mm	2.7 mm- 14mm made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
403	VEQ-330	LCP SCREW - 2.7mm - 16mm	2.7 mm- 16mm made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20

404	VEQ-331	LCP SCREW - 2.7mm - 18mm	2.7 mm- 18mm made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
405	VEQ-332	LCP SCREW - 2.7mm - 20mm	2.7 mm- 20mm made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
406	VEQ-333	LCP PLATE - 3.5mm - 8H	3.5mm - 8H made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
407	VEQ-334	LCP PLATE - 3.5mm - 10H	3.5mm - 10H made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
408	VEQ-335	LCP PLATE - 3.5mm - 12H	3.5mm - 12H made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
409	VEQ-336	LCP SCREW - 3.5mm - 14mm	3.5mm - 14mm made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
410	VEQ-337	LCP SCREW - 3.5mm - 16mm	3.5mm - 16mm made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
411	VEQ-338	LCP SCREW - 3.5mm - 18mm	3.5mm - 18mm made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
412	VEQ-339	LCP SCREW - 3.5mm - 20mm	3.5mm - 20mm made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
413	VEQ-340	LCP SCREW - 3.5mm - 22mm	3.5mm - 22mm made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
414	VEQ-341	LCP SCREW - 3.5mm - 24mm	3.5mm - 24mm made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
415	VEQ-342	LCP SCREW - 3.5mm - 26mm	3.5mm - 26mm made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
416	VEQ-343	LCP SCREW - 3.5mm - 28mm	3.5mm - 28mm made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
417	VEQ-344	LCP SCREW - 3.5mm - 30mm	3.5mm - 30mm made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
418	VEQ-345	Nebulizer	Material-Environmentally ABS material Power Feeding-AC220V±22v,50HZ±1HZ Output Power-160VA Nebulizing Rate-≥0.20ml/min Output Flow- 10L/min Size-130x50x100mm Accesories-Nebulizer bottle/L mask / S mask / Air tube(2.0M) / Mouth Piece / Air filter(4Pcs)	Single	50
41	VEQ-	Xray-iliuminator	Category. Medical X-Ray Film, Ultrasound Film, Dry	Single	50

9	346		View Film, Dental Film, Occlusal Film. Size. ZEDX-A101-14X17. Application. Clinical, Hospital, Home Purpose, Veterinary Purpose. Thickness. Approx Input voltage. AC10O-250V. LED light source. Life of 50.000 hours. Brightness.		
420	VEQ-347	Trevis	1.Service - Insemination Crate-Cum-Trevis - Tubular Trevis of Best Quatity Original Galvanised Iron Pipe with IS 1239 Standard "A" Class light with 2.9 rnrn of wall thickness and Inner Diameter of 50 mm with toleranc of ±8%. 2. Mild steel Brackets Duly Electrically Welded Fittings with Bolts, Nuts and Spring Washers. 3. The Head side of the arch should have 3 strong oscillating rings fixed with the bracket and 2 sleeves to slide and to secure I/V stand rod. The Height of the arch in the middle of the inner side is 7.5 feet (226 cm) from the bottom, width between the vertical bars of the Head side arch inner side should be 33 Inches before installation. 4. The length of the side bars of the trevis should be a minimum of 6.3 feet. Three metallic brackets (MS) should be provided on the side bars to accomodate the horizontal rods. The height of the lateral bars should be 4½ feet. 5. Four horizontal pipes should be provided as to fit in 14 No's of mild steel brackets, Iength of the each pipe should be 43 Inches. 6. The weight of the trevis should be minimum of 90-92 Kg. 7. All the four legs of the trevis should be welded with base plates frnild steel) of 5 Inches with 5 mm thickness.	Single	3000
421	VEQ-348	Auto clave	Chamber Dimensions (0 x L) 254mm x 470mm Chamber Volume 23 Lite Overall Dimensions (D x W x H) 545mm x 510mm x 365mm Standard Casette Capacity* 3 Full and 3Half Tray Dimensions (D x W x H) 415mm x 170mm x 20mm No. of Trays: 4 Voltage & Frequency 230V 50-60 Hz Power & Current 1400 W 6.5 A Shipping Weight 39 kg *Standard full size cassette is 203 x 280 mm and	Single	50

			standard half size cassette is 203 x 140 mm.		
422	VEQ-349	Surgical bins	Size-6 X 6 Grade-SS 304 Packaging Size-Wooden Composition-Stainless Steel Usage/Application-Hospital	Single	500
423	VEQ-350	Pulse Oxymeter	Features: • 3.5'Large size color touch screen TFT LCD, white LED backlight • Veterinay Specific Software with feline, canine and equine modes. • Supplied with new Nellcor Oximax Compatabile Tip Clip Sensor • Turn off automatically for power saving. • Uses Lithium battery. • Three measurement modes: spot–check, monitoring and record. • Continuous storage of data for 999 patient data in 120 hours. • Data can be stored on a computer and managed, analyzed and printed by using the ODMS system. • Silent sleep monitoring, with data storage and automatic power-saving features for patients with 24 hours uninterrupted care. • Expanded heart rate values and veterinary specific SpO2 sensors to accommodate a variety of species. Technical Specifications: SPO2 Measurement Range:-1-100% Accuracy:-70-100% (+/-2%) Display Wave Speed:-10mm/Sec Pulse Rate:-30bpm-400bpm Alarms:-Audible & Visual Priorities:-Low, Medium, High Battery:-Lithium Battery (Approx 15 hours usage) Configuration:-Main Unit, Veterinary SpO2 sensor, Charging base, Lithium Battery Sensor:-Veterinary Tip Clip Sensor for secure fit Optional Configuration:-Data Analysis Software(ODMS), Touch Screen Memory:-Saves a total of 120 hours of data events; saves date and time, alarm conditions, measurements	Single	2000
424	VEQ-351	Air Conditioner in Operation theatre	2Ton, Split Air conditioner with stabilizer	Single	50
425	VEQ-352	Electronic Stethescope	Frequency Range-100 Hz to 10 kHz Volume-adjustable Power-9 V battery Enclosure- ABS Operating	Single	50

			Temperature- -10 to 55°C Dimensions- 206 x 50 x 32 mm Sensors (attachable)- 1 x 290 mm; 1 x 70 mm (long) Sensor composition-steel Weight-240 g, with battery		
426	VEQ-353	Microscope with Monitor	Innovative designed, highly versatile with latest Gem 45° Inclined optical system 10x Wide Field eye pieces 3 Step Magnification (5x, 10x & 20X) or 5 Step Magnification (0.5x, 0.63x, 1x, 1.6x & 2.5x) or Continuous Zoom (5x ~ 25x) Beam Splitter with 'C' Mount CCD Digital Camera Working distance : F= 250mm objective lens Interpupillary Distance Adjustment: 55mm to 75mm Focusing – Manual or Motorized with Foot Control LCD Monitor/Screen : Mount on Microscope to display live surgery	Single	50
427	VEQ-354	Vein finder	Light type: Near-Infrared. Depth: – Up to 10 mm in the hand with the help of an intensifier in the palm (accessory provided for free) – 3 – 5 mm for legs and arms. Best Projection Distance: 200~250mm. Main Wavelength Of Light Source: 750nm~940nm.	Single	500
428	VEQ-355	Electric thawing Units	Should be a water bath based system operating at a preset and precise temperature of 37 deg C-40 deg C +/- 0.5 deg C. Should have digital timer clearly displaying the programmed set time or remaining cycle in minutes. Should have a system to drain the chamber within 3 minutes.	Single	2000
429	VEQ-356	Rumen Puncture Needle	Size 10G X 4″ / 12G X 4″	Single	5000
430	VEQ-357	Obstetrical Hooks	Made of stainless steel	Single	5000
431	VEQ-358	ph papers	Dimensions: 1.875" (L) x 0.25" (W)	Pack of 100	5000
432	VEQ-359	Lead Aprons	must provide at least 0.5 mm of lead or equivalent structural barriers	Single	50
433	VEQ-360	X-Ray Films	(8X10) inches	Single	100

434	VEQ-361	X-Ray Films	(10X12) inches	Single	100
435	VEQ-362	X-Ray Films	(12X15) inches	Single	100
436	VEQ-363	Exaust fan for dark room	Fan exhausts up to 400 CFM. Completely change the air in less than 4 minutes. Features a 6" diameter pipe starter. Fan size 12" x 12" x 4"	Single	50
437	VEQ-364	Surgical Suction machine for large animals	Respiration mode Manual mode, open mode, closed mode, semi-open and semi-closed mode. Gas sourceO2,quick inlet port. O2 FLUSH 20L /min- -75L /min Flow meter O2, 0L/min - -10L/min, adjustable easily Airway pressure gauge 20cmH2O-100cmH20. APL valve (Pop Off valve) adjustable easily, range0-60cmH20 Inspiration valve and expiration valve visible dome- type, Soda lime chamber 0.5 Liter, easy to change soda lime within one minute Bains connector open breath system, like Bains circuit and Jackson circuit Anesthesia vaporizer one of Isoflurane, vaporizer. supply selectatec. Optional accessories Anesthesia ventilator Trolley	Single	100
438	VEQ-365	Large Animal Sling(lifting system for recumbant /downer animal	Type-Winch Gear box Lifting Capacity-1000 Kg Usage/Application-Animal Lifting Purpose Material-Mild steel Size-7.5x4x4 Feet	Single	50
439	VEQ-366	Embryotomy set	Thygensen embrotome set with wire saw	Single	50
440	VEQ-367	FAMACHA Cards	Plastic card with 5 high-resolution photos, Numerically designates each stage of anaemia	Single	1000
441	VEQ-368	Vacutainer with K2 EDTA	Blood collection tubes 2 ml(Double cap)	Single	5000
442	VEQ-369	Uristix	Dip and read urine analysis, 20 test kit	Single	500
443	VEQ-370	Ketostix		Single	500
444	VEQ-371	Digital Weighing Machine	There is an electronic display with battery backup - Maximum weight: 100 kg Pan size 3X3 ft - Scale	Single	50

			graduation: 100g		
445	VEQ-372	Crashcart Trolley	Strong SS tubular frame work with 6 colour removable bins. 2 polystyrene storage unit with 3 drawers each. Provision of SS rod location, push handles on either side, 3 SS shelves,equipped with powered coated oxygen cylinder holder. Overall approxiamate size 940mmLX 500 mm W X 1535 mm H.	Single	50
VBC - CHEMICALS & REAGENTS					
446	VBC-1	Absolute Alcohol	2.5 Lts, 99.8% purity, AR Grade	2.5 Ltrs	5
447	VBC-2	Aceto nitrite for HPLC	HPLC Grade, 1 ltr	1 Ltrs	5
448	VBC-3	Acetone	AR grade	1 Ltrs	20
449	VBC-4	Acid Fast Staining kit	With Methylene Blue counter stain, Basic Fuchsine, Phenol, Liquid, Ethyl Alcohol, Penetrating Agent & Deionized Water Hydrochloric Acid & Ethyl Alcohol	Single	15
450	VBC-5	Agar - Brain Heart Infusion	Dehydrated culture media suitable for cultivation of pathogenic bacteria, yeast and agar mould.	100 gms	5
451	VBC-6	Agar - SIM (Sulphide,Indole, Motility)	SIM Medium, Granulated is recommended for determination of hydrogen sulphide production, indole formation and motility of enteric bacilli	500 gms	4
452	VBC-7	Agar - XLD(Xylose Lysine Deoxycholate agar)	XLD agar for Salmonella species	100 gms	2
453	VBC-8	Agar - Brilliant Green	Dehydrant enrichment media suitable for isolation of salmonella from pathological material in accordance with IP.	100 gms	20
454	VBC-9	Agar - C.L.E.D.(cystine–lactose–electrolyte-deficient agar) with Andrade Indicator	Recommended for urine bacteriology, supporting the growth of all urinarypathogens and giving good colonial differentiations and clear diagnostic characteristics	100 gms	2

455	VBC-10	Agar - E.M.B.(Eosin Methylene Blue)	Bacteriological grade	500 gms	15
456	VBC-11	Agar - Listeria Selective (Twin Pack)	Recommended for selective isolation and cultivation of Listeria species from clinical specimens	500 gms	1
457	VBC-12	Agar - Macconkey	without CV, Nacl with 0.5% sodium tauro cholate for cultivation and differentiation of entero bacteria.	100 gms	15
458	VBC-13	Agar - Mannitol salt	selective media for the isolation of pathogenic Staphylococci, sodium chloride concentration should be 7.5%	100 gms	20
459	VBC-14	Agar - MM(Miller and Mallison) Modified HiCrome™	For isolation and enrichment of Salmonella selectively	100 gms	1
460	VBC-15	Agar - Muller Hinton	Ingredients g / Litre: Meat, infusion solids from 300g /2.000, Casein acid hydrolysate 17.5, Starch 1.5,Agar 17.0, Final pH (at 25°C) 7.3±0.1	100 gms	75
461	VBC-16	Agar - Saboraudes Dextrose	AR Grade	100 gms	3
462	VBC-17	Agar - shiga toxin EC(E.coli) Hichrome	chromogenic differential medium for selective isolation of Shiga toxin producing E.coli from clinical and nonclinical samples	500 gms	1
463	VBC-18	Agar - Simmons Citrate	Bacteriological grade	100 gms	6
464	VBC-19	Agar - Triple sugar iron	Identification of gram negative enteric bacilli from sugars	100 gms	3
465	VBC-20	Agar - UTI(Urinary Tract Infections) HiCrome™	Recommended for presumptive identification & confirmation of microorganisms mainly causing urinary tract infections & other clinical sample	100 gms	1
466	VBC-21	Agar Agar Powder	Bacteriological grade	500 gms	15
46	VBC-	Agar Base - Cetrimide	Recommended for the selective isolation of	100	2

7	22		Pseudomonas aeruginosa from water and clinical specimens	gms	
468	VBC-23	Agar Base - Chocolate	Recommended for the isolation of Neisseria and other pathogens as non selective medium	500 gms	2
469	VBC-24	Agar Base Egg (Aneaerobic)	Anaerobic Egg Agar Base supplemented with egg yolk emulsion is recommended for detection of Clostridium perfringens in foods	500 gms	1
470	VBC-25	Agar Base - Tinsdale Hiveg	Tinsdale HiVeg Agar Base with supplement is recommended for selective isolation and differentiation of Corynebacterium diphtheriae	500 gms	3
471	VBC-26	Agar Base - Yersinia Selective HiVeg	Recommended for the selective isolation and enumeration of Yersinia enterocolitica from clinical specimens and food samples	500 gms	3
472	VBC-27	Agar Base DNase test	Recommended for the detection of deoxyribonuclease activity of bacteria and fungi, and especially for identification of pathogenic Staphylococci	500 gms	3
473	VBC-28	Agar plates - Blood	Readymade sheep blood agar plates	20plates/pk	12
474	VBC-29	Agarose - low EEO	Agarose BioReagent, molecular biology grade, low EEO, 100g,impurities: ≤10% moisture content EEO: 0.09-0.13,transition temp:gel point 36 °C (1.5% gel, ± 1.5 °C),gel strength: ≥1200 g/cm2 (1% gel),anion traces:sulfate (SO42-): ≤0.15%,foreign activity:DNAse, RNAse, none detected	100 gms	10
475	VBC-30	Ammonium Oxalate crystals	AR grade	500 gms	5
476	VBC-31	Ammonium Sulphate solution	AR grade	250 ml	5
477	VBC-32	Anaero Indicator tablet	For detection of anaerobic environment, Tablet colour changes differently with presence and	5 tabs/p	5

			absence of oxygen	ack	
478	VBC-33	Anaerobic system	supplied with transperant, unbreakable polycarbonate jar of 1.5litre capacity with sturdy aluminium lid clamp and sealing ring with built-in safety features	Single	1
479	VBC-34	Anaerogas pack	supplied with transperant, unbreakable polycarbonate jar of 3.5litre capacity with sturdy aluminium lid clamp and sealing ring with built-in safety features	Single	1
480	VBC-35	Antibiotic Sensitivity discs	Antibiotic discs (Assorted), as per CLSI, EUCAST standard, catridge with 50 discs	50 discs/ cartridge	300
481	VBC-36	Antibiotic solution & Antimycotic solution	Penicillin 1000 U and Streptomycin 10 mg, Amphotericin B 25 Micrograms Per ML in 0.9%noraml saline	50 ml	15
482	VBC-37	Benedict's Qualitative reagent	For detection of glucose in the Urine -AR grade, 500ml	500 ml	25
483	VBC-38	Borax Caramine (Alcoholic) stain	AR grade	125 ml	20
484	VBC-39	Boric acid	AR grade	100 gms	5
485	VBC-40	Bromo Thymol blue	AR grade	25 gms	5
486	VBC-41	Bromocresol Green Solution	AR grade 125 ml	125 ml	15
487	VBC-42	Broth - Brain Heart infusion	For propagation of pathogenic cocci and other fastidious organisms.	100 gms	5
488	VBC-43	Broth - Macconkey	with neutral red for selective enrichment and enumeration of coli forms.	500 gms	15
48	VBC-	Broth - Nutrient	Suitable for cultivation of less fastidious	500	1

9	44		organisams, 500 gms	gms	
490	VBC-45	Broth - Todd Hewitt HiVegTM	For isolation and preenrichment of Streptococci selectively and for cultural growth	100 gms	3
491	VBC-46	Cadmium iodide	SQ grade	100 gms	2
492	VBC-47	California Mastitis Reagent	3% sodium lauryl sulphate containing 1:10000 bromocresol purple pH 7.0 to 7.5,	500 ml	300
493	VBC-48	Carbol fuchsin	primary component of ZN stain - dilute	125 ml	15
494	VBC-49	Carbonate Bicarbonate buffer capsules	Colorless capsule,clear appearance ,weight - 406.8 to 497.2 mg,PH -9.3-9.9	50 Pack	4
495	VBC-50	Cedar Wood Oil	for microscopy - AR Grade	30 gms	170
496	VBC-51	Chloroform	AR grade	2.5 Ltrs	6
497	VBC-52	Citric Acid	AR Grade	500 gms	1
498	VBC-53	Coagulase Plasma	Recommended for studying coagulase reaction in diagnosis of Staphylococci	5 vials/pack	5
499	VBC-54	Copper suphate	AR grade	500 gms	10
500	VBC-55	D-Glucose	AR Grade	500 gms	5
501	VBC-56	Distilled water	For Laboratory use	5 Ltrs	500
502	VBC-57	DMSO	Cell culture grade sterile 10 ml vial	5/pack	2
503	VBC-58	DPX mount	LR grade,	100 ml	16
50	VBC-	EDTA	Ethylenediaminetetraacetic Acid Disodium Salt	100	6

4	59		Dihydrate (EDTA disodium dihydrate) DNAse, RNAse, protease not detected; Molecular biology grade,	gms	
505	VBC-60	Egg yolk emulsion	Sterile stabilized emulsion of egg yolk recommended for use in various culture media, 100ml	5 vials/pack	1
506	VBC-61	Eosin solution	2% W/V AR grade	125 ml	10
507	VBC-62	Extraction reagent - RNA	a ready-to-use reagent, designed to isolate high quality total RNA (as well as DNA and proteins) from samples	100 ml	4
508	VBC-63	Field's stain A&B-500 ml	500ml, it should contain methylene blue, potassium phosphate, disodium hydrogen phosphate Himedia	500 ml	25
509	VBC-64	Field's stain A&B-125 ml	125 ml, it should contain methylene blue, potassium phosphate, disodium hydrogen phosphate Himedia	125 ml	25
510	VBC-65	Formaldehyde	37% SQ grade,	5 Ltrs	20
511	VBC-66	Gention violet	AR grade	100 ml	2
512	VBC-67	Giemsa stain	Azur II eosin 3.000 gm Azur II 0.800 gm Glycerine 125.000 ml Methyl alcohol, absolute 375.000 ml	100 ml	50
513	VBC-68	Glycerine	AR grade	2.5 Ltrs	5
514	VBC-69	Glycerol	Analar/ Extra Pure 2.5 lt. AR/ XLR	2.5 Ltrs	1
515	VBC-70	Grams Stain Kit	Should contain gram crystal violet, gm decoloriser, gm iodine, safranine 0.5%, and basic fuschin 0.1%,	single	15
516	VBC-71	Hematoxylin powder	Hematoxylin Monohydrare ; water KF 5-6%	5g	10
51	VBC-	HiSep	Density: 1.077+ 0.0010 g/ml,Recovery: viable	100 ml	5

7	72		human mononuclear cells (Lymphocytes and monocytes)		
518	VBC-73	Hydro chloric acid	AR Grade (Concentrated)	500 ml	20
519	VBC-74	Hydrochloric Acid	Suprapur Grade Hydrochloric Acid 34-37%, for trace metal Analysis in ICP-MS	500 ml	5
520	VBC-75	Hydrochloric acid 0.1N	AR grade	500 ml	5
521	VBC-76	Iodine	AR Grade,	500 gms	10
522	VBC-77	Iodine Tr. IP	AR grade	500 ml	3
523	VBC-78	Iso Propyle alcohol	Purity (GC) >99%. 2-Propanol > 99%AR grade, 2.5 lit. Disinfectant	2.5 Ltrs	40
524	VBC-79	L Glutamine	Cell culture grade. > 99% (HPLC)	100 gms	2
525	VBC-80	Labolene	Neutral liquid detergent equally effective in hard and soft water. Required for washing and cleaning of Laboratory glass ware, rubber ware etc. It should be mild and effective without causing chemical reaction. 5 Lit	5 Ltrs	20
526	VBC-81	Lactalbumin Hydrolisate	AR grade	500 gms	10
527	VBC-82	Lugols Iodine	AR Grade	125 ml	100
528	VBC-83	Magnesium sulphate	Magnesium sulphate hepta hydrate	500 gms	5
529	VBC-84	McFarland standard set	Each set contains 1 tube of 0.5,1,2,3,4 McFarland standard	Single	15
530	VBC-85	Medium - Cell culture Dulbecco's Modified Eagle	Medium having with l-glutamine and sodium pyruvate and with out Glucose and sodium	10/pack	2

		Medium	bicarbonate. 1Ltr		
531	VBC-86	Medium - Cell culture Eagle's Minimum Essential medium	Eagles minimum essential medium with Earle's salts, L-Glutamine and NEAA without Sodium bicarbonate 1Ltr	10/pack	2
532	VBC-87	Medium - Cell culture Glasgow modified essential medium	With L glutamine and non essential aminoacids and without sodium Phosphate and sodium bicarbonate, suitable for BHK 21 cell lines. 1Ltr	10/pack	10
533	VBC-88	Medium - Cell culture MEM Automod	Autoclavable MEM Earle's salts, without L-glutamine and sodium bicarbonate, powder 1Ltr.	10/pack	2
534	VBC-89	Medium - Robertson cooked Meat	AR Grade	100 gms	15
535	VBC-90	Medium - Soyabean casein digest	I P grade	500 gms	5
536	VBC-91	Medium - UVM(University of Vermont Modification Medium)	For isolation of Listeria monocytogenes selectively and for culture maintenance	500 gms	3
537	VBC-92	Mercapto ethanol	2-Mer capto ethanol, Molecular biology grade,	250 ml	6
538	VBC-93	Mercuric chloride	AR grade	100 gms	5
539	VBC-94	Mercurous nitrate	AR grade,	100 gms	3
540	VBC-95	Merthiolate	AR grade,	10 gms	5
541	VBC-96	Methyl red indicator	AR grade	125 ml	10
542	VBC-97	Methylene Blue (Lofflers)	AR grade	125 ml	50
543	VBC-98	n-Hexane	AR Grade	2.5 Ltrs	5
544	VBC-99	Nitric acid	AR Grade	500 ml	15

545	VBC-100	Nitric Acid	Suprapur Grade Nitric Acid 67-69%, for trace metal Analysis in ICP-MS	500 ml	3
546	VBC-101	Nuclease free Water	Not DEPC treated, DNAse⁄RNAse-Free	100 ml	20
547	VBC-102	Orthophenaline Di Amine Powder	Peroxidase substrate for Elisa procedures. 10 mg substrate per tablet.	10 tablets / pack	4
548	VBC-103	Oxidase discs	Bacteriological differentiation disc for oxidase testing	50 discs/pack	50
549	VBC-104	p-Dimethyl Amino Benzaldehyde	(Ehrlich's Reagent) AR Grade	100 gms	10
550	VBC-105	Peptone Water	Growth medium as well base for carbohydrate fermentation media	100 gms	5
551	VBC-106	Petroleum spirit	AR grade, (Petroluem ether (40°C - 60°C)	500 ml	10
552	VBC-107	Phenapthalein indicator	AR grade	25 gms	5
553	VBC-108	Phenol Red Indicator Powder	AR grade	25 gms	10
554	VBC-109	Phosphate Buffer	A. R. Grade	100 gms	6
555	VBC-110	Phosphate Buffer saline without Tween	Phosphate Buffer Saline 100 tablets, Ph 7.3-7.5, 1 tablet produce 100ml PBS solution,not intended for cell culture, buffer contains 10 mM phosphate, 150 mM sodium chloride.	100 tabs/ pack	50
556	VBC-111	Phosphate Citrate buffer tablets	For substrate buffer preparation in ELISA testing	50 tabs/pack	2
557	VBC-112	Potassium Chloride	AR Gade	500 gm	5

558	VBC-113	Potassium Di hydrogen Phosphate (KH2PO4)	AR Grade	500 gm	5
559	VBC-114	Potassium Permanganate	AR Grade	500 gms	2
560	VBC-115	PropanoI	2- propanol AR Grade	2.5 Ltrs	5
561	VBC-116	Proteinase-K	5ml, free from RNAse,DNAse free, Molecular grade	100 mg	5
562	VBC-117	Pyridine Karl Fisher Reagent	Free from Pyridine & Chlorinated solvents, Typical factor of >5.5 250 ml	2 x 250 ml/pack	4
563	VBC-118	RBC diluting fluid	Clear colourless liquid without any particles. For Erythrocyte count	500 ml	150
564	VBC-119	selective supplement - Nalidixic Acid	An antibiotic supplement recommended for the selective isolation of Pseudomonas aeruginosa from clinical specimens,each vial contains nalidixic acid15mg	15 mg/vial	5
565	VBC-120	Selective Supplement - S.F.P.(Shahidi Ferguson Perfringens)	An antibiotic supplement, recommended for the selective isolation of Clostridium perfringens . Each vial contains kanamycin sulphate 6mg, polymixin B 15000IU.	single	12
566	VBC-121	Selective Supplement - SEC (Shiga toxin E.Coli)	A selective supplement for the isolation of Shiga toxin producing Escherichia coli , each vial contains 7.5mg of selective mixture.	single	12
567	VBC-122	Selective supplement - Tinsdale	Each pack contains part A (contains horse serum 100ml) and part B(contains potassium tellurite 1ml)	Single	3
568	VBC-123	Selective Supplement - UVM(University of Vermont Modification Medium)	An antimicrobial supplement recommended for the selective isolation and cultivation of Listeria monocytogenes. Each vial contains Acriflavin hydrochloride 6mg	single	3

			Nalidixic acid 10mg.		
569	VBC-124	Serum fetal bovine	cell culture tested , sterile, south american origin	500 ml	2
570	VBC-125	Serum Healthy Rabbit	collected from animals 6 months or younger, Sterile filtered	100 ml	2
571	VBC-126	Serum Horse	Donor herd, cell culture tested, Hybridoma tested, sterile filtered	100 ml	5
572	VBC-127	Serum New born Calf	New Zealand origin, sterile filtered, Heat Inactivated	100 ml	2
573	VBC-128	Silver Nitrate	AR Grade	25 gms	2
574	VBC-129	Sodium carbonate	AR grade	500 gms	2
575	VBC-130	Sodium Chloride	AR Grade	500 gms	25
576	VBC-131	Sodium dihydrogen ortho phosphate (NaH2PO4.2H2O)	Excellar/ AR grade	500 gms	5
577	VBC-132	Sodium Hydroxide flakes	AR grade	500 gms	10
578	VBC-133	Sodium hypo chloride concentrate	Solution with minimum 10% chlorine W/V . For the routine treatment of Bio medical wastes.	5 Ltrs	10
579	VBC-134	Stain solution - Leishmans	AR grade	250 ml	150
580	VBC-135	Sulphur powder	AR Grade	500 gms	15
581	VBC-136	Sulphuric acid	AR grade	500 ml	20
582	VBC-137	Supplement - FO (Vitamino Growth) Growth	An enrichment supplement recommended for isolation of Neisseria	50 gms	3
583	VBC-138	Supplement - Antibiotic CTN(CefsulodinTriclosan	An antibiotic supplement recommended for the selective isolation of Yersinia enterocolitica. Each	5 vials/p	1

		Novobiocin) selective	vial contains cefsulodin 7.5mg, triclosan 2mg, novobiocin 1.25mg	ack	
584	VBC-139	Supplement Yeast Autolysate	An enrichment supplement recommended for the cultivation of Neisseria species.Each vial contains Yeast Autolysate 5g,sodium bicarbonate 0.075mg	single	5
585	VBC-140	Surgical Spirit	AR grade	500 ml	100
586	VBC-141	Toluidine Blue	Supplement recommended for detection of deoxyribonuclease activity, 0.1 gm / vial	0.1 gm/vial	3
587	VBC-142	Trypsin	Cell culture grade, , 25 gms 1:250	100 gms	1
588	VBC-143	WBC diluting fluid	AR Grade	250 ml	50
589	VBC-144	Xylene	Excellar sulphur free,	500 ml	10
VBE - LABORATORY EQUIPMENT					
590	VBE-1	Air conditioner split dual inverter type	1.5 ton capacity dual rotary R410A compressor based on inverter technology with 10 year manufacturer warranty. 3 M micro protection filter, energy efficiency ratio minimum 3.6, complete copper condensor , 3 star rating and 1-2 year product warranty MC switch, 4KVA double booster stabilizer, fixing stand with complete installation.	Single	5
591	VBE-2	Aerosol Disinfector	Aerosol Disinfector 5lt capacity, Stainless steel GLP and GMP compliant, electrically operated. Warranty 3 years	Single	5
592	VBE-3	Air curtain	Lock air 4 feet size, Stain Steel body, 220 V, vertical down pumping of air with installation	Single	5
593	VBE-4	Analyser - ESR Digital	Infrared sensor,20 channels, random access,blood level range 50-65mm,0.2mmreadin resolution,touch screen,AC 220V/110v ±10%, 50/60 Hz, 50W 3	Single	15

			years manufacturing warranty		
594	VBE-5	Analyser - Hemotological Semi Automatic along with kits with 0.5 KV UPS	1.The insturment should be Veterinary Bases 3-part Differential hemotology analyser 2. The instrument should have analysyis modes for : 11 Animal Species: Dog, Cat, Horse, Furet, Rabbit, Rat, Mouse, Pig, Cattle, Sheep & Monkey. 3.The instrument should have 18 parameters reported for WBC,RBC, HGB, HCT, MCV,MCH, MCHC, PLT, LYMPH %, MONO%, EOS%, GRA%, LYMPH#, MONO#, EOS#, GRA#, RDW, MPV. 4.The insturment should have automatic probe cleaning after every sample. 5.The instruement must have LJ graphs for quality control. Detailed flag messages, whole blood, pre diluted and capilary mode for Whole Blood. 6. 2 lakhs result storage with 3 hostograms. 7.Rodent proof design, Dual chamber, Impedence method for WBC, RBC and PLT counting. 8.Cyanide free reagents for hemoglobin test. 9.Pre diluted mode avaliable, 4USB ports for keyboard, mouse, External, Printer, barcode reader, external Wifi. 10.Only 2 reagents usage & probe cleaner for probe only. 11.Colour display, Alarms, pop up Messages, Date and Time adjustable sleep mode, Flags Abnormal samples on display. 12.The instrument should have in built thermal printer. 13.Must have supporting UPS for Avoid power interruptions. Kits for estimation of above para meters wich are included equipment specifications	Single	75
595	VBE-6	Analyser- Biochemical Semi-Automated with 0.5 KV UPS	1. Should be automatic by 12 positions filter wheel, 6 standard interference filters ranging from 340 to 620nm [340, 405, 505, 546, 578 &620) and 6 open positions for optional filters. 2. Light Source: Quartz-halogen lamp 12V-20W	Single	5

			3. Should haye following measurement modes, Kinetic with linearity check, Kinetic with linearity check & sample slope blank, 2 point kinetic with or without reagent blank, End-point with or without reagent blank, BioChromatic end point with or without reagent blank, End-Point with sample blank & with or without reagent blank 4. Temperature control by means of Peltier Elements with fixed termperature at 37 degree celsius. 5. Should have flow cell measuring device and inbuilt printer & external printer port should be ayailable and have photometric measurement range 0.1 to 2.3 absorbance 8. Should have facility for reading results on LCD display 9. Should have Quality Control — 2 controls per test, QC survey of last 30 control measurements, Levey Jenning Plot, High/Low Flags 10. Should have a test program memory of 50 or more 11. Flowcell should be metal with quarz windows measuring yolume 30 µl. 12. Should have International Quality Certifications such US FDA (510K)/IVDD/CE or UL etc 13. Dimensions: 40X17X36.5cm [W XHXD)] 14. Weight: should not be more than 9 kg. 3 years manufacturer's warranty with 2 KVA stabilizer		
596	VBE-7	Analyzer - Protein with 3 years Manufacturers warranty	12 place Digestion system: For digestion of animal feed samples , Microprocessor based temperature controller (Ambient to 450°C), Digital display of temperature and time, Casted Aluminium Alloy	Single	4

			Heaters for uniform heating and even digestion, Auto fix exhaust manifold system for absolute fume trapping, FLOW suction assembly for pollution free analysis , Feather touch membrane keys with built in safety features. Distillation system: It should have distillation system for distilling the analyte and should have protection shield to prevent spillage of distillate on the operator. Automatic titration System, Scrubber system to dissolve the acid fumes, Chiller to cool the condenser water.		
597	VBE-8	Autoclave (portable)	Vertical 300mm x 450mm, anodised aluminium, Watts 2 KW, 33Lt capacity,SS,wt 25 kg, cylindrical,350x300mm (dia. x height),1.1 to 1.2Kg./cm2 (15-18PSI) Dome shaped SS lid sealing autoclave with neoprene joint less gasket. Pressure Gauge, Spring Loaded Safety Valve, Dead Weight type Safety Valve and Steam Release Valve. Supported on triod stands with inner container drum.220/230 Volt, single phase, 50 Hz, AC supply.minimum 3 years manufacturer's warranty	Single	6
598	VBE-9	Autoclave vertical	95-120 Litres ,Type-Vertical, Top loading cylindrical Autoclave machine for steam and pressure sterilization Sterilizer Chamber Type-Circular Steriliser chamber material-Double walled SS 304 or higher grade steel Working Pressure of Chamber-20 pound per sqare inch Type of Sterilizer Chamber Door-Heavy duty SS 304, Hinged door Steriliser Chamber door Locking facility-Foot operated locking and unlocking radial system Sterilizer Chamber door Operation:-Manual	Single	5

			Door sealing:-By elastomeric rubber gasket suitable to withstand temperature upto 140 degree C & pressure upto 20-30 psi Type of control system available for Steriliser cycle operation:-Microprocessor based temperature controller with control accuracy ±1.0°C Power supply:-230 ± 10 volt, 50 Hz Audio- visual Alarm facility available for notifying:-Temperature sensor with range 100°C to 300°C, unit should be provided with a low water alarm system as well as steam release valves and safety valves,Cut off automatically when the autoclave is dry Working Temperature-1250C Resolution-0.1°C Range of Pressure Gauge-30 pound per sqare inch Controller-Auto set to 15psi & 121°C Overall Height:-550 millimeter Overall Diameter-750 millimeter Accessories-Water level indicator,Water inlet & outlet valves,Automatic pressure control switch,Mechanical timer,Manual Water Filling & Removal,The unit having a wet heater fitted at the bottom and with capacity more than 4500 W with water capacity in litres more than 120 L,The unit have heater fitted at the bottom and with capacity of more than 3 KW,The unit have heater fitted at the bottom and with capacity of more than 4 KW,The unit have heater fitted at the bottom and with capacity of more than 6 KW,The unit have heater fitted at the bottom and with capacity of more than 9 KW Warranty -5 year manufacturer's warranty with 3-4KW V-guard stabilizer Compliance of Chamber-Chamber Pressure Equipment Directives (PED),EN 13445 norms Quality Compliance available for quality systems-ISO 9001:2000,EN ISO 13485:2003,ISO 14001:2004 Compliance to certification (US FDA/CE certification will be accepted only when the Indian standards/certification like BIS/CDSO/AERB are not available)-CE		
59	VBE-	Bio Safety Cabinet type II	DESIGN AND PERFORMANCE CRITERIA	Single	2

9	10		A. Provide biological safety cabinets with workspace for testing and experimentation of low to moderate risk agents in the Classes and Types indicated, as defined by NSF International NSF/ANSI 49. Class II cabinets shall provide protection of experiment from ambient environment and protection of ambient environment from experiment. B. Biological safety cabinets shall operate in an efficient and sustainable manner. Electrical consumption of new units shall be no greater than: 170 watts for nominal width 3 foot unit; SUBMITTAL Product Data - Biological safety cabinets Biological safety cabinets - Compliance with NSF/ANSI 49 Biological safety cabinets – Operating and Service Manuals Biological safety cabinets – Demonstration Factory Test Reports QUALITY ASSURANCE A. Each cabinet will be certified by UL for electrical safety and integrity. B. Each cabinet will be NSF listed and approved for design, construction and performance. C. A factory test for each cabinet validating proper performance including: 1Cabinet integrity test with pressure decay or soap bubble leak 2. HEPA Filter leak test of downflow and exhaust filters 3. Downflow air velocity and uniformity 4. Inflow air velocity 5. Airflow smoke patterns QUALIFICATIONS Manufacturer Company with minimum ten years documented experience in the construction of NSF Listed and Approved Class II biological safety cabinets. Cabinet shall be an NSF Listed and Approved Class II biological safety cabinet. W ARRANTY a. Installation with 3 years Manufacturer's warranty along with 3kva or 4kva stabilizer against defects in material or workmanship covering		

			parts and labor must be available for a period of three years. Standard exceptions for filters, lamps and glass shall apply. CLASS II TYPE A2 BIOLOGICAL SAFETY CABINETS Exterior dimensions Nominal 3 ft width – 61.8”H x 39.4”W x 31.5”D (1568mm H x 1000mm W x 800mm D) Interior dimensions Nominal 3 ft width - 30.7”H x 35.4”W x 24.8”D (780mm H x 900mm W x 630mm D) CONSTRUCTION A. Cabinet shell shall use steel no less than 19 gauge (0.0394” thick) and validated to meet the NSF performance specification where top front edge shall not move forward more than 0.063 inches (1.6 mm) from the static position when a 250 lb (110 kg) lateral force is applied to the top rear edge and the top of the sides shall not move forward more than the same amount when the same force is applied to the top of the opposite side. B. Unit shall have all metal plenums designed for easy removal at filter change. (Non- metal, fabric type plenums are not acceptable.) To facilitate cleaning, the interior sides and rear wall of the work area shall be of one piece no less than 19 gauge (0.0394” thick) Type 304 stainless steel construction with No. 4 finish. The joins between the side and rear interior walls shall have coved corners of no smaller than 0.406” radii. C. To facilitate cleaning, the interior sides and rear wall of the work area shall be of one piece no less than 19 gauge (0.0394” thick) Type 304 stainless steel construction with No. 4 finish. The joins between the side and rear interior walls shall have coved corners of no smaller than 0.406” radii. D. An efficient means of adjusting the downflow and inflow separately shall be provided. Additional penetrations of the shell of the cabinet should be avoided. PERFORMANCE REQUIREMENTS A. Work access opening inflow velocity: Acceptable operating range 100 – 110 fpm. . B. Inflow compensation controlling inflow velocity with 3% of set value with 100% increase in filter loading. . C. Visual indicator on the front panel for the following features: 1. Compensation reserve capability. 2. Hours of operation		

			3. Inflow velocity display (feet per minute) 4. Downflow velocity display (feet per minute) 5. Night Set-Back mode 6. UV on 7. Receptacles on 8. Operating speed airflow 9. Front window position . D. No HEPA filter leakage ≥ 0.01% of upstream concentration. . E. Downflow velocity ± 5 fpm of NSF/ANSI validated nominal value. . F. All downflow measurements within 20% of average. . G. Separate downflow and inflow velocity flow alarms to signal overall variation greater than 20% from set values. . H. Airflow smoke patterns test acceptable . 1. Downflow is smooth with no dead spots or upward flow. . 2. Smoke released behind view screen moves smoothly down and does not escape from the cabinet. . 3. Smoke released outside the cabinet will not escape from the cabinet once drawn in or billow over the work surface or penetrate onto it. . 4. No smoke released in the work area 2 inches from the window side or top edges will escape from the cabinet. . I. Power consumption: Not to exceed 170 watts for nominal 3 ft width, 200 watts . J. Reduced flow or Night Set-Back mode allowing reduction in airflow and energy consumption while maintaining cleanliness and containment when not in operation. Power consumption during reduced flow or Night Set-Back not to exceed 70 watts for nominal 3 ft 1.1 REFERENCES BIOLOGICAL SAFETY CABINETS Class II, Type A2 Biological Safety		

			Cabinet The publications listed below form a part of this section to the extent referenced. The publications are referred to within the text by the basic designation only. NATIONAL ASSOCIATION OF ARCHITECTURAL METAL MANUFACTURERS (NAAMM) NAAMM MFM (1988) Metal Finishes Manual NSF INTERNATIONAL (NSF) NSF 49 (2007) Class II (Laminar Flow) Biosafety Cabinetry UNDERWRITER'S LABORATORY (UL) UL Standard 61010-1		
600	VBE-11	Bunsen burner with T valve	Galvanized steel body with bronze connector	Single	15
601	VBE-12	Centrifuge	Electrically operated complete with 8x15ml owing out head with 15ml heat resistant glass tubes, Digital Speedometer and timer with 4000-5000 RPM, minimum 3 years manufacturer's warranty	Single	5
602	VBE-13	Chick Feeders	PVC made , capacity for 50 chicks, Tray height: 42mm, Dia: 400mm	Single	10
603	VBE-14	Chick Waterers	PVC made, Capacity 50-75 birds, Bowl bottom Dia:330mm, Lip Space: 40mm & 55mm	Single	5
604	VBE-15	CO2 incubator - MINI	Chamber volume 80litres, infrared CO2 sensor, airjackted ,PID control, 0-20% CO2 range, +/-).1% CO2 control resolution, 5 to 55 degrees temperature range, 2 shelves,internal dimensions(WXDXH in mm):400X450X500, external dimensions(WXDXH in mm):590X687X790, hot air sterilization circulation system, alarm function of temperature difference and CO2 over concentration and concentration diference, door open time, UV working status, utomatic control of fan speed to maintain uniform temperature , PID controller with large LCD screen , microorganism filter at inlet provides 99% filteration of bacteria and dust (<0.3um) and supplies pure	Single	1

			CO_2 into incubator, CO_2 cnentration testoration speed, It should have 3 years manufacutrer's warranty to the unit along with suitable stabilizer and CO_2 regulator kit and 2 CO_2 cylinders.		
605	VBE-16	Crude Fat extraction unit	Ether extract Solvent Extraction System (Six Place Fully Automatic) 1. With auto time temperature integrated programming facility and auto phase change over with PC compatibility feature. 2. Should have 6 place system for 6 fat beakers 3. Microprocessor based digital temperature controller, 4. Casted Aluminium Alloy Heater, 5. 65 to 80% solvent recovery, 6. Independent loading of sample with individual mechanical controls. 7. Unique upward spring loaded movement of individual block for perfect leak proof alignment. 8. Safety Features: Auto over temperature protection, auto Sensor break protection, Auto Error Indication, etc.	Single	4
606	VBE-17	Crude fibre extraction unit	Crude Fibre extraction System (6 place Fully Automatic) 1. Unique and compact design, 2. Should have 6 place system to hold 6 fibre crucibles 3. Easy to handle with less maintenance, 4. Absolute determination with efficient suction mechanism, 5. Inbuilt electrically operated air pump for declogging,	Single	4

			6. Microprocessor based digital temperature controller, 7. Highly efficient, time saving and accurate, 8. Independent sample loading with individual Mechnical controls. 9. Safety features: Auto over temperature protection, auto sensor break protection, auto error indication, etc.		
607	VBE-18	Deep Freezer	Vertical model, 450 Ltr Capacity, - 10 to -25^{0}C with digital display & Low temperature alarms , minimum 3 years manufacturer's warranty	Single	4
608	VBE-19	Double Distillation apparatus - All quartz vertical	All Quartz vertical Double Distillation Unit (Borosil) Electrical requirements:230 Volts 10 / 50 Hz ,Single phase Distillation water capacity (ltr/hr):4 ltr/hr pH value:6.9-7.0 Conductivity (µS/cm):<1.0 Numbers of Built in Quartz heaters (nos):2 Distillation units Type:horizontal Distillate Temperature (0C):67 Biological Activity:Pyrogen free Built in Quartz heater capacity (KW):3.5 Double stage glass (quartz) distillation units:yes Cooling Water consumption (ltr/hr):140 ltr/hr with minimum 3 years manufacturer's warranty	Single	2
609	VBE-20	Egg Drilling Machine	Should drill small holes smoothly without jerky movement 1 year warranty	single	1
610	VBE-21	Electronic Voltage Stabilizer-1KV	1 Kv Capacity input 170 to 270 volts output 200 to 240 volts with 5 amps 3 pin plugs, 1 year warranty.	Single	10
61	VBE-	Electronic Voltage Stabilizer-	2 Kv Capacity with with 12 amps 3 pins plugs, in	Single	10

1	22	2KV	put 170-270 Volts, and output 200-240 volts,1 year warranty.		
612	VBE-23	Electronic Voltage Stabilizer-4KV	4 Kv Capacity with with 12 amps 3 pins plugs, in put 170-270 Volts, and output 200-240 volts, 1 year warranty.	single	10
613	VBE-24	Fire extinguisher	Ceasefire 5 Kg Fire Extinguisher Clean Agent FE 36, Zero ODP, Stored Pressure Type, Pressure Gauge,Gross Weight 3.6 Kg, empty Weight 1.6 Kg, Can Height 341MM, Diameter 108 MM, Discharge Time minimum 6 Secs, Controllable discharge mechanism, Range minimum 2 Meters, applicable on Class A,B,C and electrically started Fire, B Rating 218, Can Construction : Deep drawn & CO2, Mig welded, Valve Construction : Forging & Machining, Internal Coating of Can : Epoxy Powder coating, ExternalCoating of Can : Epoxy Polyster Powder coating, Sheet metalthickness :1.60 MM, Helium Leak Detection Tested. Three Years Warranty	Single	1
614	VBE-25	Fogger –jet 360	360 degree rotation attached with digital timer 1-99min,liquid flow rate 0-60ml/min(variable flow), Stailess steel Tank capacity of 5Liter, Area coverage of upto 15000cu.ft.,liquid filling nipple of stainless steel, with rotation of 1 rpm speed, aerosols of submicron size, intake air filter-tripple stage, with timer 3 years manufacturer's warranty	Single	2
615	VBE-26	Hot Air Oven - Laboratory model	• Double walled construction with Inner SS 304 and Outer Epoxy Powder coated GI sheets • Seamless round cornered internal chamber • Temperature range Ambient +5°C to 250°C	Single	1 No.

			• Accuracy ±0.5˚C • Digital Seven segment LED display. • Microprocessor Temperature control by means of Electronic LED Digital PID controller cum indicator • Equipped with timer (timer bypass option), auto tuning and alarms. • Temperature sensor : PT 100 sensor • Insulation 2” thick with PUF Insulation to maintain the heat. • Best quality heating element at the bottom side of oven (2 sides Optional) • Memmert Type Unit Heaters (Optional) • SS Rod Trays with rust proof material adjustable shelves • With forced air circulation/ inner fan facility for maintaining uniform temperature in the chamber • Air ventilators on both sides of the chamber • Door switch with auto cut off when door opens during operation. • Door is equipped with double tempered glass window to enable user for easy viewing of samples without door opening. • Safety: Over temperature and temperature difference alarm • Silicon food grade gasket Specifications: • Temp. Range: Ambient +5°C to 250°C • Temp. Accuracy: ±0.5°C • Temp. Control: PID Controller • Temp. Display: LED		

			• Temp. Sensor: PT 100 Sensor • Insulation : 2" thick PUF Insulation • Material : Double walled construction with inner SS 304 and outer MS powder coated surface • Door (SS304): Single Door • Volume: 50 L • Shelves: 2 Shelves • Heater in watts: 800W • Power Voltage: 230V 50/60Hz • Inside Dimension (WxDxH) in cm: 35 x 35 x 35		
616	VBE-27	Incubator - Digital Mini	Product Specifications: Capacity: 20L Temperature Range: Ambient –15°C to 60°C (Heating & Cooling Model) Temperature Accuracy: +/-0.5°C (37°C) Temperature Uniformity: +/-1°C (37°C) Dimensions (Internal): wxdxh 26 x 23.5 x 32.5 cm (10.25 x 9.25 x 12.75”) Dimensions (External): wxdxh 33.5 x 37x 47.5 cm (13.25 x 14.5 x 18.75”) Weight: 6.5 kg (15 lbs) Warranty: 2 years Electrical: 100-240VAC, 50/60Hz	Single	5
617	VBE-28	Laboratoy work stand - Powder coated	MS powder coated table with 20 mm thick granite top. Size 3 FTx 1.5 FTx 3 FT (Lx W x H)	Single	6
618	VBE-29	Laminar Airflow cabinet	4'x2'X2' (LXWXThickness) Vertical unit,maintenance free design and structure,provide laminar air flow&uniform air velocity.built in UV and fluorescent lamp, air and gas cock and power connections. one piece Cabinet without separate stand. easy movable. Exterior:epoxy powder coated electro galvanized steel, Interior:high clean SS 304. Tempered safety glass sliding door with high quality cleanliness UV protectant, Vibration free with low noise level(55-60dB). Microprocessor digital	Single	2

			controller with LCD back light display. Dimensions: inner: 890X550X650 mm3 : Outer 1050X800X1880 mm3. Air volume: 980m3/h. 9 stage velocity control, total using timer, UV/FL lamp on /off. HEPA filter class 100, purity 0.3 Um particle removal. Air flow velocity : 0.3 – 0.6 m/sec., minimum 3 years manufacturer's warranty		
619	VBE-30	Micro Centrifuge palm size	Should have 6000rpm, virtually can fit palm of hand, ideal for quick spin downs of microtubes and pcr tubes, rotor quickly decelerates when lid opened to stop , 8 position microtube rotor, near silent operation,, starts and stops in seconds, conserves valuable bench space, should have 12X1.5 / 2ml rotor and rotor suitable for 0.2ul PCR tubes, minimum 3 years manufacturer's warranty	Single	3
620	VBE-31	Microscope - Compound	Bright field Binocular Microscope with coaxial focusing and LED illumination Optical System: Finite color corrected optics with anti-fungus treatment, uniformly centered, interchangeable & Par focal Body: critical movements based on ball bearing for smooth & precise movements and base support with anti vibration grips. Mechanical Stage: Co-axial low drive mechanical stage (125mm x 145mm) (±5mm) with single or double side holder. Focusing System: Co-axial coarse & fine controls coarse focus range 20mm with focus stop mechanism. Condenser: Centerable condenser with position condenser aperture iris diaphragm with a removable	Single	25

			blue filter for daylight observation. Illumination: Option 1: Base with variable intensity control system: 3W LED light source (warm, daylight equivalent) (with battery back-up) High brightness, long life (30,000 hrs). Battery back-up in-built NiMH rechargeable batteries Provide 2 to 4 hrs back-up on full charge. Nose Piece: Dust protective quadruple revolving nosepiece based on precision ball-bearing mechanism with positive click stop. Objectives: Pre centered, interchangeable & par focal tropicalized anti fungal treated semi plan achromatic Objectives 4X, 10X, 40 X and 100X (Oil spring loaded) inclined observation head: 45 degree inclined binocular head, 360 degree rotatable observation tube. Eye piece: (wide field) paired WF 10 X (FN 18 mm) eyepiece. Same Microscope should be upgradable for trinocular head with camera attachment, phase contrast up to 100 X and dark field.		
621	VBE-32	Microscope - Tab Digital	Upright bright field, digital portable microscope with integrated tablet display (no eyepiece), application and research grade optics, Detachable tablet slot Robust opto-mechanical system for field use without alignment issues Dimensions: 18cm (W) x 19.5cm (L) x 18cm (H) excluding display screen Weight: <3 kgs True View technology for capture of 100% circular field of view through the tablet camera, Quadruple outward facing nosepiece	single	14

			Four high contrast plan achromate objective lenses – 4x, 10x, 40x, 100x oil immersion, Internal magnification 10X with the following captured FoV: 5 mm with 4x objective, 2 mm with 10x objective, 0.5 mm with 40x objective and 0.2 mm with 100x objective 1.25 NA condenser; 1 watt LED illumination with intensity control Rackless X-Y stage Coaxial coarse and fine focus knobs on both sides Inbuilt rechargeable lithium ion battery with 15 hour backup, DC adapter for charging, Provision for backup power supply to tablet from battery Tablet with maximum camera resolution of atleast 3264x2448 pixels and 9.7" display with 2048 x 1536 pixels resolution; 2/3GB RAM, 32 GB ROM Full HD video capture at 1920x1080 pixels Pre-installed application with following features: • Data management • Image capturing • Video recording • Exposure, brightness, saturation, temperature and contrast control • Micrometry – linear and circular measurements in microns • Free hand marking and pointer for demonstration • Profile creation for separate users • Variable resolution of upto 8 MP Wireless HDMI dongle for lag-free real time casting to projector or LCD screen 1 year warranty, Padded carry bag with compartments Accessory kit comprising of lint-free cleaning cloth,		

			dust cover and immersion oil.		
622	VBE-33	Moisture Analyzer - Karl Fischer. Digital Automatic	Water content measuring range: 50 PPM to 100%, Drift Control: Automatic Drift Compensation,Drift Control: Automatic Drift Compensation, Factor Determination: Water and DST method, Micro controller Based titrator suitable for accurate estimation of moisture, Incorporated with maintenance free metering pump, Valve-less Dispenser eliminates the need of cumbersome piston Burnett, No refilling is necessary after every titration, Several titrations can be carried out uninterruptedly, Supports both Water and DST method for factor determination,Automatic Calculations of Factor and Results, Results in Percentage, PPM and mg of H2o,Password protection facility provided, Equipped with inbuilt volume validation facility, RS 232 serial port for balance and PC interface,Veego/ Matic- MD, 3 years manufacturing warranty	Single	4
623	VBE-34	Muffle furnace	Inner Chamber Size: 300 x 300 x300 mm (12” x 12” x 12”) Rating: 7.5 KW, Operating Temperature Range: Ambient +5 to 800˚C Max. Temperature: 930°C, Heating Element: Kanthal A1 coils Insulation: Ceramic fibre blankets, Temperature Control: Digital Temperature Controller Cum Indicator, Power Supply: 220 Volts 1 phase, 50 Hz, AC Supply ** Additional features : There should be timer and alarm for set temperature and time	Single	1

624	VBE-35	Nucleic acid extractor - Automatic	• Capable of processing max of 32 samples and a minimum of one sample within short span of time. • Should allow extraction of high quality nucleic acids within 30 to 45 minutes. • Working principle: Magnetic beads method • Process volume: 50 to 1000µl • Sample Volume: Range 25 to 400µl • Elution Volume: 30µl • Purification accuracy: 100 copy sample positive rate > 95% • Sterilization: UV light • Exhaust way By Fan • Data storage Available, with built-in SD card • Max. input power 300W 450W • Dimensions: 560mm × 620mm × 500mm	Single	1
625	VBE-36	Flying insect control system Electrical	Removable Catchment Tray for Dead Insect Bodies, Easily Cleanable Without Insect association, 20W Model - Dimension (cm) : L x B xH 40 x10 x30, 1 Year Manufacturer Warranty	Single	10
626	VBE-37	pH meter	Warranty (Year)-3 Impact Resistant-No Ingress Protection, Water Tight-IP65 Storage pocket for pH electrode-Yes System to be supplied with Measuring electrode combined & glass calomel, temperature probe, Electrode Stand, calibration buffer and maintenance kit, operation manual, power cable and plug-Yes Type-Microprocessor Based Display-LED / LCD / Touch Screen, 3 digits Calibration-1 to 3 pH Range (pH)--2.00 to 16.00	single	1

			Accuracy (pH)-±0.01 Corrosion Resistant-Yes Power Requirements-Universal AC power adapter, 90-260 VAC, 50-60 Hz Modes-pH mV- C Parallel temperature indication-Yes Temperature Compensation Type-Automatic Temperature Accuracy (Degree C)-±0.05 Temperature Compensation Range (Degree C)-0 to 100 Resolution (pH)-0.01,0.1 Operating Humidity: RH in (%)-85 Operating Temperature (Degree C)-25		
627	VBE-38	Pressure Coocker (12 lit capacity)	Non- induction base, Made of Alluminium, Outer lid with handles and gasket , Outer lid & base thickness :3.75 mm , Weight: 2.55kgs, Colour: Silver, 5 years manuefacturing warranty	Single	150
628	VBE-39	Spectrophotometer with nanodop for quantification of nucleic acids	• Should measure purified DNA, RNA, and protein concentration up to 30 Abs • Up to 1,500 ng/µL dsDNA • Up to 1,200 ng/µL RNA • Up to 45 mg/mL BSA • Should Calculate critical A260/A280 and A260/A230 purity ratios • Measurements should be fast and accurate from only 1-2 µL to saves precious samples, • The sample should be held in place during measurement • Measurement should be done on the sample directly without cuvettes • Should have Intuitive interface and Built-in touchscreen operation,	single	1

			• Should be amenable for data storage and exportation ofdata to a USB device • Should save atleast 1000 measurements locally; • Construction : Instrument Control : Local control Minimum Sample Size : 1 µL Pathlength(s) : 1.0 mm and 0.2 mm (automatically adjusting) Light Source(s) : Xenon flashlamp Wavelength Range : 230 nm, 260 nm, 280 nm Wavelength Accuracy :± 1 nm		
629	VBE-40	Storage Cabinet for medicines with Steel Shelves	Size 916 mm width, 486 mm depth,1980 mm Height, ± 5mm including 4"pedestal with height adjustment leveler. Construction with virgin CRCA Steel Sheets of 0.8mm thk for backside & shelves 0.8 mm thk HSCR sheet for doors & 0.9 mm thk CRCA for all other components, one locker compartment & four open compartments with adjustable shelves. net wt:73kg ± 2kg, finish: all surface epoxy powder coated to the thickness of 50 microns ±10 (as per IS 13871) with phosphate treated pre finish (as per IS 3618)	Single	2
630	VBE-41	UPS online 3 KVA with quantas batteries 3hrs backup	3 KVA Capacity with Quanta Batteries of 55AHcapacity with manufacturer's warranty with 3 hours backup	Single	5
631	VBE-42	UPS online 1KV Battery 1hr backup	Equipped with a quanta battery .The output power capacity of the UPS is 600 Watts/ 1000VA and nominal output voltage is 230V.with manufacturer's warranty with 3 hours backup	Single	5
632	VBE-43	Vacuum cleaners	• Powerful suction and blower function • Dual functions for collecting dry dust and wet	Single	2

			spills and wide range of accessories to suit varied cleaning needs • DIMENSIONS (MM) (WxDxH) : 505 x 390 x 405 • Specially designed 360 degree swivel wheels for easy movement • Larger capacity of plastic container for water-8 litres and dust-10 litres collection • Automatic cord winder for convenience, The long power cord, flexible hosepipe and extension tubes facilitate easy and convenient cleaning within a radius of 8 mt around the power plug • Convenient 8 meter radius of operation. Blower efficiency: 650 litres/min • Power: 1150 watts. Suction of Motor-1800 mm of water column. Voltage-230 V AC, 50 Hz		
633	VBE-44	Vacuum tester	BD 50 E, Heavy Duty Spark Tester output 20000-50000 volts at frequency approx. 0.5 mega Hz for detecting vacuum leaks in lyophilised vials	Single	1
634	VBE-45	Waterbath - Digital	304 SS Bath & Lid. control of Delay and Operation Time. Digital Timer. Digital Control System for Temp. Accuracy. Digital LCD with Back-Light. Storage for Set Values of Temp.&Timer. Locking Mode Supported Experimental Safety. CE Certified with Certificate & Traceability, 1 year warranty	Single	2
635	VBE-46	Waterbath adjustment from 30°C to 100°C	• Double walled with Inner SS 304 & Exterior GI Powder Coated Shade in REGULAR MODEL. • Fully argon welded for leak proof durability & elegant in design. • Inner & Outer SS 304 Matt/Buff mirror finish in	single	4

			GMP MODEL. • Compressed glasswool insulated in between the walls to minimize the heat loss. • Heating by 'U' type SS Water Heater. (ISI Marked) • Concentric rings to use flask from 50ml to 500ml capacity. • Perforated false bottom platform of SS provided. • Microprocessor based PID Temp. Controller with Dual Digital Indicator & PT – 100 sensor. • Temp. Range :- 5°C Above ambient to 99°C. • Size : Provision to accommodate 8 beakers of 100ml capacity with shaking capability		
636	VBE-47	Weighing Balance - Electronic	Readability 0.1 mg, Weighing range 10 mg to 220 gms, Pan size 80 mm with LED Display along with Calibration and Validation Certificates	single	1
637	VBE-48	QFX Fluorometer	Dynamic Range & Sensitivity: 0.5 pg/µL – 4000 ng/µLdsDNA , 250 pg/µL – 1500 ng/µL RNA, four channels: UV, Blue, Green, and Red Fluorescence,Wi-Fi, USB, Email, Ethernet, storage capacity USB 32GB, 21 CFR part 11 software, measuring time 2 sec, minimum sample volume 1 microlitre, 2 -point standard or customisable 2-8 standards curves options, compatible to kits of Denovix, thermo Qubit, Promega assays, UV assays inclues Alexa flour 405, Hoechst 33258, DAPI,eBFP, 7-hydroxy 4-methlcoumarin and 4-methyllumbelliferyl B-D-galactopyranoside, display 7 inch touch screen , easy method development, warranty 2 years along with broad range ds DNA	single	1

			assay kit in 2 numbers		
VBG- Laboratory Glassware					
638	VBG-1	Beakers-100 ml	100 ml with spout, Complies with IS 2619 / ISO 3819 and DIN 12331, High resistance to chemicals,Heat, Double graduation metric scale, 50X70mm	single	40
639	VBG-2	Beakers-1000 ml	1000 ml with spout, Complies with IS 2619 / ISO 3819 and DIN 12331, High resistance to chemicals,Heat, Double graduation metric scale, 105X145mm	Single	50
640	VBG-3	Beakers-2000 ml	2000 ml with spout, Complies with IS 2619 / ISO 3819 and DIN 12331, High resistance to chemicals,Heat, Double graduation metric scale, 130X185mm	Single	50
641	VBG-4	Beakers-250 ml	250 ml with spout, Complies with IS 2619 / ISO 3819 and DIN 12331, High resistance to chemicals,Heat, Double graduation metric scale, 70X95mm	Single	50
642	VBG-5	Beakers-50 ml	50 ml with spout, Complies with IS 2619 / ISO 3819 and DIN 12331, High resistance to chemicals,Heat, Double graduation metric scale	Single	50
643	VBG-6	Beakers-500 ml	500 ml with spout, High resistance to chemicals,Heat, Double graduation metric scale, 83X115mm	Single	50
644	VBG-7	Conical flasks-500 ml with screw cap	500 ml, High resistance to chemicals,Heat, screw cap made of polypropylene, neck specification GL45	Single	50
645	VBG-8	Conical flask without screw cap 100 ml	Flasks, Erlenmeyer, conical , Narrow mouth. 64X105mm dimensions. Neck O.D 22mm	Single	50
646	VBG-9	Conical flasks 250 ml without screw cap	Flasks, Erlenmeyer, conical , Narrow mouth. 85X145mm dimensions. Neck O.D 34mm	Single	50
64	VBG-	Conical flasks 500 ml without	Flasks, Erlenmeyer, conical , Narrow mouth.	Single	50

7	10	screw cap	105X180mm dimensions. Neck O.D 38mm		
648	VBG-11	Cover slip - Circular / Square	The cover glass will have square / round shape, size 18 mm/ 22 mm/70 mm. Each box should have 10 gm of cover glass	(10 gms/ box)	1000
649	VBG-12	Cover slip - Rectangular	Rectangular 22mmX60mm, glass	(10 gms/ box)	1000
650	VBG-13	Funnels - Glass -75 mm	Borosil 75 mm diameter	5/pack	10
651	VBG-14	Funnels - Glass- 100 mm	Borosil 100mm diameter	5/pack	10
652	VBG-15	Glass rods	Trasparent borosilicate glass stirring rod for mixing solutions 15 cm length	Single	50
653	VBG-16	Hanging drop slides	For observing hanging drops. Should have polished round depressions 15mm in diameter and 1mm deep. Available with either one or two depressions.76 x 25 x 1.25mm	100/pack	2
654	VBG-17	Measuring cylinders	100 ml Borosilicate glass, Graduated with 1 ml increments	Single	50
655	VBG-18	Microscope Slides	Made from optically clear flat glass, uniform thickness of 1.35 mm, 75 mm long and 25 mm wide with ground edges and lint free packing.	50/Box	1000
656	VBG-19	Microscopic slides-Frosted	white colored frosted one end one side (76x26x0.95mm),50/box	50/Box	500
657	VBG-20	Petri plates glass 80X15mm	Glass, Autoclavable 80x15mm	Single	100
658	VBG-21	Pippette - Glass	Borosil . Gradation from 0 to 5 ml with 0.5 ml increments	Single	50
659	VBG-22	Pippettes - Glass	Borosil . Gradation from 0 to 10 ml with 0.5 ml increments	Single	50
66	VBG-	Poly-L-Lysine Coated	Slides should be coated with Poly-L-Lysine to permit	72/box	10

0	23	Microscope Slides	electrostatic coupling of sample to slide. The relative adhesion level should permit easier manipulating of samples than with silane coated slides. Use of Poly-L-Lysine Microscope Slides should not affect staining procedures. Dimensions: 25mm x 75mm x 1mm		
661	VBG-24	Reagent bottles - Amber coloured 250 ml	Amber coloured reagent bottles wide mouth, graduated, with screw cap and pouring ring with interchangable stopper Capacity, Amber coloured reagent bottle narrow mouth with inter changeable flat head stopper,complies with IS 1388(part II), ISO/DIN 4796 (part II), have durable mint matt-finished enamelled area for marking, protection media from light sensitive media with wave length between 300nm and 500nm, properties within the bottle remain unchanged, as colour is applied only on external surface, screw caps made of poly propylene and autoclavable, 70X138mm- 250ml	250ml bottle	50
662	VBG-25	Reagent bottles - Amber coloured 500 ml	Amber coloured reagent bottle narrow mouth with inter changeable flat head stopper,complies with IS 1388(part II), ISO/DIN 4796 (part II), have durable mint matt-finished enamelled area for marking, protection media from light sensitive media with wave length between 300nm and 500nm, properties within the bottle remain unchanged, as colour is applied only on external surface, 86x176mm, 500 ml	500 ml bottle	50
663	VBG-26	Reagent bottles with autoclavable caps-1000mI	1000 ml made up of type 3.3glass,low alkali borosilicate free of heavy metals and withstand 400 centigrade temperature, resistant to water, concentrated acid and alkali solutions	Single	50

664	VBG-27	Reagent bottles with autoclavable caps-100mI	100 ml made up of type 3.3glass,low alkali borosilicate free of heavy metals and withstand 400 cetigrade temperature, resistant to water,concentrated acid and alkali solutions	Single	50
665	VBG-28	Reagent bottles with autoclavable caps-500mI	500 ml made up of type 3.3glass,low alkali borosilicate free of heavy metals and withstand 400 cetigrade temperature, resistant to water, concentrated acid and alkali solutions	Single	50
666	VBG-29	Reagent bottles with autoclavable caps- 250mI	250 ml made up of type 3.3glass,low alkali borosilicate free of heavy metals and withstand 400 centigrade temperature, resistant to water, concentrated acid and alkalisolutions	Single	50
667	VBG-30	Spirit lamp	Spirit Lamp, Glass made	Single	10
668	VBG-31	Test tubes glass with rim 3 ml	made of glass, Complies with IS 2618, ISO / DIN 4142	Single	100
669	VBG-32	Test tubes glass with Screw cap 15 ml	15x125mm with rim, 15 ml,Complies with IS 2618, ISO / DIN 4142	Single	100
670	VBG-33	Test tubes glass with rim 30 ml	Size 18x150 mm, 30ml cap,Complies with IS 2618, ISO / DIN 4142	Single	100
671	VBG-34	Test tubes glass without rim 10 ml	1.5 cm diameter with rim 15X125 mm 10 ml capacity	Single	500
672	VBG-35	Watch glass	100 mm diameter, glass,	single	100
VBM - MISCELLANEOUS LAB ITEMS					
673	VBM-1	Alluminium foils	9mts X 30 Cms X 0.02 MM thickness	single	50
674	VBM-2	Blotting Papers	for all general laboratory purposes like absorbing water, prevent laboratory spillages, keeping glassware on surface or drying glass as well as laboratory plasticware. Each bundle contain 500	500 sheets/ bundle	15

			sheets		
675	VBM-3	Bio hazard bags-12''x24'' Autoclavable	thick, high strength, high temp. resistant autoclavable bags labeled with biohazard warnings and QR code for unique identification - size 12"X24",Assorted colors	100/pack	5
676	VBM-4	Biohazard bags -24'' x 36'' Autoclavable	thick, high strength, high temp. resistant autoclavable bags labeled with biohazard warnings and QR code for unique identification - size 24'' x 36",Assorted colors	100/pack	5
677	VBM-5	Bottle top filtration system	Should fit on the standard reagent bottle,Filtration capacity:0.5 to 1 L, Autoclavable and reusable, Should be amenable to use with positive and negative pressures. Should be able to hold 42 mm membrane filter	Single	2
678	VBM-6	Butter paper	for wraping of glass ware during autoclave and Dry heat sterilization.0.2mm thickness	Single	1500
679	VBM-7	Cell Culture Plates	size 96 wells, polystyrene plate, flat bottom, (individually wrapped), sterile, with lid (low evaporation)	50/Pack	10
680	VBM-8	Clean Room Coveralls, Fully hood - slotted cap and Overshoes (Ankle - hold) with PVC sole	Steriwear/Bunny suit Non-static, Non-linting pure Decron monofilament yarn/ 50% DACRON 85d + 50% NOMEX 40 TL dual filament yarms weight 100 gm/ 85 gm per sq m 150 cycles of wash & autoclave as per schedule	Single	110
681	VBM-9	Controls for Semi Automatic Haematology Analyzer	Quality Controls for all the parameters of Semi Automatic Haematology Analyzers (Mindray)	Single	4
682	VBM-10	Coplin jars	Polypropylene staining coplin jar 75X25mm with lid for holding 5 to 10 slides	single	100
683	VBM-11	Cotton Sterile (Absorbent)	Cotton absorbent, Sterile, 100 gm X 5	Single	25
68	VBM	Cotton Wool (Non-	400 gm net weight, interlined	Single	25

4	-12	Absorbent) I.P			
685	VBM -13	Cryo gloves	To protect hands and arms when working in ultra-cold environments. Mid Arm XL, 1pair.	1000 pairs /pack	2
686	VBM -14	Cryobox -100 places-1,1.8ml	Autoclavable, 100 places; 1 & 1.8 ml capacity,made of Polycarbonate	4 / pack	10
687	VBM -15	Cryobox -25 places-5ml	Autoclavable, 25 places; for 5 ml micro tube made of Polycarbonate	4 / pack	10
688	VBM -16	Cryobox-25 places-1,1.8ml	Autoclavable, 25 places; 1 & 1.8 ml capacity, made of Polycarbonate	8 / pack	5
689	VBM -17	Cryotags	For labelling plastic and other material for cryogenic storage 1.28 inches x 0.50 inches	1000/pack	5
690	VBM -18	Deep Well 96 well plates 1ml	U bottom, 1ml working volume, Polypropylene, Autoclavable, with Lid,	5/pack	20
691	VBM -19	Desiccator 200mm	All clear Dessicator Vaccum, Dia 200mm/300mm, hold 29inch of mercury for 24hrs without grease application, 3way polypropylene teflon key, port accept 6.35mm id tube for vaccum suction	Single	2
692	VBM -20	Diluent for Semi Automatic Hematology analyzer	Reagents suitable for semi automatic haematology analyzers Diluent-Mindray	20 L	5
693	VBM -21	Disposable overall	Gown type, 120cm length, full hands with cuffs, back open, with tieing threads provision	single	1000
694	VBM -22	Egg candler	Hand type	Single	2
695	VBM -23	Extraction kit - DNA from blood	Dneasy blood & Tissue kit 250 Rxns	250 Rxns /kit	10
696	VBM -24	Extraction kit - DNA from Tissue	Nucleospin tissue 250 Rxns	250 Rxns/kit	5
69	VBM	Extraction kit - PCR RNA	NucleoSpin® RNA plus	50	4

7	-25			Rxns/ kit	
698	VBM -26	E-Z cleanser for Semi Automatic Hematology analyzer	Reagents suitable for semi automatic haematology analyzers E-Z Cleanser (Mindray)	4 X 50 ml /pack	5
699	VBM -27	Facemasks - Disposable	Disposable Soft and skin friendly. Should have elastic threads to wear, 3Ply Non-Woven Fabric	100/Pack	200 packs
700	VBM -28	Filter cartridge	5 microns thread type catridge for R.O plant with flow rate of 1.6 mts. Cube per hour, 20 inch long and 6 inch diameter, spun bounded type	Single	4
701	VBM -29	Filter paper - Whatman grade 40	Cellulose filter paper Grade 40, 18.5 C.M	100 /Pack	10
702	VBM -30	Filter paper - Whatman-Grade 41	Cellulose filter paper Grade41, 18.5 C.M	100 /Pack	10
703	VBM -31	Filter paper - Whatman-Grade 42	Cellulose filter paper Grade 42, 18.5 C.M	100 /Pack	10
704	VBM -32	Filter paper - Whatman-Grade-1	Cellulose filter paper Grade -1, 18.5 C.M	100 /Pack	10
705	VBM -33	Filter tip, sterile 10µl	universal Fitted with finest porous plastic filter membrane, filters are free of particles, starch and surfactants, RNAse/DNAse,pyrogen free,10µL	1000/pack	40
706	VBM -34	Filter tip, sterile 200µl	universal Fitted with finest porous plastic filter membrane, filters are free of particles, starch and surfactants, RNAse/DNAse,pyrogen free,200µL	1000/pack	30
707	VBM -35	Filter tip, sterile 1000µl	universal Fitted with finest porous plastic filter membrane, filters are free of particles, starch and surfactants, RNAse/DNAse,pyrogen free,1000µL	1000/pack	10
708	VBM -36	Filters - Cellulose acetate (0.22micron)	made of cellulose acetate for filtration of medium 47 mm diameter	100/pack	5
709	VBM -37	Filters - Minisart syringe (0.22micron)	Sterile individually packed 0.22micron syringe filters	50/pack	5

710	VBM-38	Filters - Minisart syringe (0.45micron)	Sterile individually packed 0.45 micron syringe filters	50/pack	5
711	VBM-39	Flame Gun	Should be easy to use, carbon less force full flame, to disinfects the micro bacteria, 4 burners with 5 meter connecting tube for LPG Cylinder	Single	2
712	VBM-40	Forma Guard Formalin Neutralizing Pads	Pads provide an effective way for lab personnel to guard against formaldehyde vapors. The FormaGuard™ Pad is light blue, rigid, polycoated, and roughly 1/8" in thickness. Medium size 11" x 15"	25/pack	10
713	VBM-41	Gauze cloth	1 mt. X 4 mt., closely woven, Absorbent	Single	5
714	VBM-42	Geobacillus Stearo thermo philus spore strips	Geobacillus Stearothermophilus Biological Indicator Strip for steam sterilization; 10^6 spores per strip; Storage - Store below 30°C	Single	30
715	VBM-43	Gloves Nitrile long cuff	touch Ntuff long cuff nitrile gloves, 5mil,12 inches, size Assorted	50 pairs/ pack	5
716	VBM-44	GN(gram negative) cards	for identification of Gram negative organisms in Vitek compact 2.0	20 cards /pk	5
717	VBM-45	GP(gram positive) cards	for identification of Gram positive organisms in Vitek compact 2.0	20 cards /pk	5
718	VBM-46	ANC (Anerobic) cards	for identification of anaerobic organisms in Vitek compact 2.0	20 cards /pk	1
719	VBM-47	Haemoglobino meter	(Sahli) Complete kit	Single	15
720	VBM-48	Hand Disinfectant Gel	62% denatured Ethanol, 3.3% 2-Propanol, Gel with Moisturiser	500 ml	25

721	VBM-49	Hand held smart strip based somatic cell counter	For quantitave measurement of somatic cells in fresh milk samples of bovines in sub clinical and clinical mastitis with a hand held portble blue tooth connected , smart phone integrated. Should have measuring range of 100-1200 cells / micr litre.	Single	15
722	VBM-50	Head caps - Buoffant Disposable	A loose cap, typically secured around the head with an elastic to contain loose hair. Made of PP spunbond non-woven with elastic, bio degradable.	100/pack	15
723	VBM-51	Heamo cytometer	Neubauer-improved counting chamber without clamps depth 0,1 mm	Single	15
724	VBM-52	HENKE-JECT TBC needles	needles, 0.70 x 4 mm (12 pcs/plastic box), 22G X1/8"	12/box	2
725	VBM-53	HENKE-JECT TBC syringes	Syringe in new size 2.0 ml developed especially for tuberculin testing. Metal and glass plunger with high-stability plastic grip• Highest dosing precision = 0.1 ml by pressing the lever. Modern and ergonomic design. . Safe and easy handling. Biocompatible. Autoclavable (sterilisable at 134 °C). With Replacement cylinder 2.0 ml and Replacement barrel 1.8 ml (old design). needles, 0,7 x 4 mm (12 pcs/plastic box)	12/box	5
726	VBM-54	Ice packs-120g	120g Hi- Igloo gel packs,	100/pk	5
727	VBM-55	Ice packs-450g	450g Hi- Igloo gel packs	100/pk	5
728	VBM-56	IDEXX E-Z prep Pipetter	for veterinary use only, for filling IDEXX vet tubes.	Single	20
729	VBM-57	IDEXX vet tubes	for Veterinary use only, each kit contains 10 venous blood tubes,	10 tubes/ kit	20
73	VBM	IDEXX VetTrol Control	VetTrol Control is a lyophilized, bovine-based	Single	4

0	-58		control fluid, specially formulated for use on IDEXX VetTest, VetLyte and Catalyst analyzers.		
731	VBM -59	Immersion Oil-Type	Immersion specific for / nikon/microscope/-TypeF, 30 ml, single	30 ml	100
732	VBM -60	Indicator tape for Hot air oven	cloth-textured tape that can stick to any surface or shape and can withstand acids, alkalis, oils and greases, Indicate blue colour at dry heat 160° C. imprinted with heat-sensitive indicator ink. 10 mm X 5 mts	Single	10
733	VBM -61	Kim wipes	Delicate Task Wiper of size 4.5"x8.75", 280 wipes per pack,Wipes clean and exhibits low linting characteristics,Antistat, Easily wipes up liquid and dust	280 wipes/ pack	20
734	VBM -62	Kit One step RT PCR kit for blood	Superscript III one step RT-PCR system with platinum TAQ DNA polymerase	50 Rxns/kit	5
735	VBM -63	Kit One step RT PCR kit for tissues	PrimeScript™ One Step RT-PCR Kit, Ver.2 (Dye Plus)	50 Rxns/kit	20
736	VBM -64	kit PCR for theileria	Qualitative conventional PCR kit which results in amplification of Theileria specific gene using specific primers to provide rapid, sensitive and specific detection of Theileria.	50 Rxns/kit	20
737	VBM -65	Kit PCR Viral DNA/RNA extraction and IBR RT-PCR probe base kit	Combo kit of viral DNA/RNA extraction with Infectious Bovine Rhinotrachetisis (IBR) Probe PCR kit	50 Rxns/kit	50
738	VBM -66	Kits - ELISA - Capripox antibody detection	Double Antigen ELISA for the detection of antibodies against capripoxviruses including lumpy skin disease virus (LSDV), sheeppox virus (SPPV) and goatpox virus (GTPV) in serum or plasma from	5plates /kit	5

			cattle, sheep, goats or other susceptible species.		
739	VBM-67	Kits - ELISA - Avian Influenza Antibody detection	It should detect AIV (Avian Influenza Virus speic antibodies in Chicken, turkey, goose or duck serum. 96 wells	5 Plates/ Pack	4
740	VBM-68	Kits - ELISA - Bluetongue Antibody C Elisa Antibody detection	Competitive ELISA for the detection of anti VP7 antibodies against Bluetongue in serum, plasma from sheep, goats, cattle, or other suscitible species 8 X 12 strips	5 Plates/ Pack	2
741	VBM-69	Kits - ELISA - Bovine Interferon Gamma for Tuberculosis	It should be sensitive and specific test for detection of Mycobacterium bovis IFN-γ quantitatively in one day in sera and plasma (5 plate pack with reagents)	5 Plates/ Pack	2
742	VBM-70	Kits - ELISA - Calssical swine fever antigen capture ELISA kit	Antigen capture ELISA against Erns protein of CSFV to detect the antigen in swine serum, plasma and tissue samples with high sensitivity and specificity comparable to PCR testing of individual samples.	2 plates/ kit	3
743	VBM-71	Kits - ELISA- Bovine Viral Diarrhoea (BVD) Antibody detection	Competitive ELISA for the detection of antibodies against BVD/ MD/ BD virus p80-125 protien in serum, plasma, milk (individual or bulk samples) from sheep, goats, cattle, or other suscitible species 96 wells	5 Plates/ Pack	2
744	VBM-72	Kits - ELISA Bovine Viral Diarrhea (BVD) Antigen Detection	Sandwich ELISA for detection of BVDV/ BDV P80 (NSP2-3) protien in serum, plasma, peripheral blood monoclear leukocytes, tissue extracts or nasal swab samples from cattle, sheep, goats or other susceptible species 96 wells	5 Plates/ Pack	5
745	VBM-73	Kits - ELISA Brucella Competitive Elisa Antibody detection based on s-LPS antigen	should be able to differentiate between vaccination antibodies(S19) and those that result from Brucella infection.	2plate/ pack	5
74	VBM	Kits - ELISA- Brucella Indirect	It shoud be sensitive and specific test for detecting	5	10

6	-74	ELISA antibody detection in serum and plasma	antibodies against Br.abortus B.melitensis and B.suis in serum anbovine, ovine, caprine and porcine sps, (individual samples or pools of up to 10). (96 wells)	plates/ pack	
747	VBM -75	Kits - ELISA- Classical Swine Fever Antibody detection	It should detect Classical Swine fever virus (CSFV) specific antibodies in swine sera or plasma. 96 wells	5 plates/ pack	10
748	VBM -76	Kits - ELISA- Infectious Bovine Rhinotracheitis gE Competitive Elisa Antibody detection	It should detect antibodies against the gE protien of the bovine herpes virus -1 (BHV-1) in individual serum or plasma and milk (individual, buljk or condensed milk samples) samples of bovine of cattle (96 wells)	6 plates/ pack	10
749	VBM -77	Kits - ELISA- Leptospira interrogans serovar hardjo	It should detect antibodies against the Leptospira interrogans serovar hardjo in serum and milk of cattle (96 wells)	5 plates/ pack	2
750	VBM -78	Kits - ELISA- PPR Antibody detection	It should detect antibodies against the Peste des Petitis Ruminants (PPR) virus in serum and plasma from shweep, goats and other susceptible species by competitive ELISA. 96 wells	5 Plates/ Pack	4
751	VBM -79	Kits - ELISA-Chlamydia Antibody detection	It should be rapid sensitive and speic Test for detecting antibodies against Chlamydiaophila abortus (C.abortus) in serum & Plasma samples of ruminants. 96 wells ,	2 plates/ pack	10
752	VBM -80	Kits - ELISA-IP M.Paratuberculosis (Johnes disease) Antibody detection	It should detect speic antibodies in bovine sera plasma and milk samples & small ruminants serum, plasma samples against Mycobacteria Paratuberculosis. 96 well.	5 plates/ pack	10
753	VBM -81	Kits - ELISA-PPR Antigen detection	Sandwich ELISA for detection of Peste des Petitis Ruminants (PPR) virus in live animals or for post mortem diagnosis 96 wells	2 Plates / Pack	2
75	VBM	kits Biochemical for fully	For estimation of serum AST Aspartate	12	15

4	-82	automatic biochemical analyzer for serum AST	Aminotransferase by Idexx fully automatic biochemical analyser 12 Slides / Box	slides/ box	
755	VBM -83	kits Biochemical for fully automatic analyser for serum Total Proteins	For estimation of serum Total Protein by Idexx fully automatic biochemical analyser 12 Slides / Box	12 slides/ box	15
756	VBM -84	kits Biochemical for fully automatic analyser serum Urea Nitrogen	For estimation of serum BUN Urea by Idexx fully automatic biochemical analyser 12 Slides / Box	12slides/box	15
757	VBM -85	kits Biochemical for fully automatic biochemical analyzer for serum albumin	For estimation of serum albumin estimation compatible to fully automatic analyzer (idexx) (12 test kit)	12 slides/ box	15
758	VBM -86	kits Biochemical for fully automatic biochemical analyzer for Alkaline Phosphatase	For estimation of serum Alkaline Phophotase,by Idexx fully automatic biochemical analyser 12 Slides / Box	12 slides/ box	15
759	VBM -87	kits Biochemical for semi automatic biochemical analyzer for serum Bilirubin	For estimation of serum Bilirubin, kinetic / end point estimation compatible to semi auto analyszer (120 test kit)	kit(120 tests)	50
760	VBM -88	kits Biochemical for semi automatic biochemical analyzer for serum Calcium test	For estimation of serum Calcium, end point estimation compatible to semi auto analyszer (100 test kit)	100 test kit	50
761	VBM -89	kits Biochemical for semi automatic biochemical analyzer for serum Creatinine	For estimation of serum Creatinine, jaffes method, Initial rate compatible to semi auto analyszer (120 test kit)	kit(120 tests)	50
762	VBM -90	Kits Biochemical for serum Bilurubin fully automatic analyzer	For estimation of serum Bilurubin estimation compatible to fully automatic analyzer (idexx) (12 test kit)	12 slides/ box	15
763	VBM -91	kits Biochemical for serum Creatinine fully automatic analyser (idexx)	For estimation of serum Creatinine estimation compatible to fully auto analyszer (12 test kit)	12 slides/ box	15
764	VBM -92	Kits Biochemical for serum Inorganic Phophorus for semi	For estimation of serum Inorganic Phosphorus , kinetic / end point estimation compatible to semi	100 test kit	50

		automatic biochemical analyzer	auto analyszer (100 tests)		
765	VBM-93	kits Biochemical for serum Inorganic Phophorus fully automatic analyser (idexx)	For estimation of serum Inorganic Phosphorus estimation compatible and fully automatic analyzer (idexx) 12 test kit)	12 slides/ box	15
766	VBM-94	kits Biochemical for for fully automatic biochemical analyzer for serum ALT	For estimation of serum ALT Alanine Aminotransferase by Idexx fully automatic biochemical analyser 12 Slides / Box	12 slides/ box	15
767	VBM-95	kits Biochemical for semi automatic biochemical analyzer for serum Glucose test	For estimation of serum Glucose, end point estimation compatible to semi auto analyszer (300 test kit)	300 test kit)	25
768	VBM-96	Kits Biochemical for serum Calcium fully automatic analyser (idexx)	For estimation of serum Calcium estimation compatible to fully automatic analyzer (idexx) (12 test kit)	12 slides/ box	15
769	VBM-97	kits Biochemical for serum Magnesium - For fully automatic analyser (idexx)	For estimation of serum Magnesium by Idexx fully automatic biochemical analyser 12 Slides / Box	12 slides/ box	15
770	VBM-98	Kits -Lateral flow Brucella anti body detection	A lateral flow immunochromatographic assay for the qualitative detection of brucella specific antibodies in whole blood/ sera/ plasma.	10 Test/kit	25
771	VBM-99	Kits-All Prep DNA/RNA Mini Kit (50)	Containing DNA Spin Columns, RNeasy Mini Spin Columns, Collection Tubes, RNase-Free Water and Buffers	50Rxns /kit	10
772	VBM-100	Kits-Comprehensive vector-borne disease screening test	Rapid test kit for diagnosis of Heartworm disease, ehrlichiosis, Lyme disease, and anaplasmosis - 30tests	30 tests/kit	10
773	VBM-101	Kit-Zeiss Lens care Kit	Should contain Zeiss microscope lens cleaning solutions, Zeiss lens cleaning wipes	Single	2
774	VBM-102	Laboratory gloves/ Nitrile gloves	Size: Large/Medium/small, very small, powder free, puncture resistant, disposable, Material : Polymer nitrile, certifications ISO9002, ASTM D3578, D6319, GPM, Color: Purple/Blue/Cream, Certification:	100/pack	100

			ISO9002, ASTM D 3578, D6319, GPM, ambidextrous coating material. textured finger glove cuff style Beaded/ rolled , Latex free , thickness :4mil		
775	VBM-103	Lyse for Semi Automatic Hematology analyzer	Reagents suitable for semi automatic haematology analyzers lyse mindray	500 ml /bottle	5
776	VBM-104	Mac master egg counting Chamber (glass)	Evaluate Egg per gram in a given feacal / dung specimen.	Single	20
777	VBM-105	MagaZorb DNA mini-prep kit	should be suitable for whole blood, milk, cultured cells, tissue (frozen or formalin-fixed paraffin-embedded), saliva, urine, stool, hair, buccal swabs and vaginal swabs, should be based on magnetic bead based method, proteinase K should be component of the kit	800 preps	3
778	VBM-106	Marker pen with narrow tungsten carbide tip	tungsten carbide tip,	5/pk	3
779	VBM-107	Micro pipette - single channel 100 – 1,000 µl	single channel 100 – 1,000 µl with Quick and secure volume setting, Spring Loaded Tip Cone for connecting TIPS very tightly, adjustment window for adjusting pipette to a specific liquid. Control Button with very low operating force, Color indication for pipette volume. 4 Digits volume display with magnifier. Piston with thermal, mechanical and chemical stability anto anticorrosive. serial number printed on multiple components of the pipette, Easy to remove lower part for cleaning pipette, Fully Autoclavable, withstand UV irradiation without discoloration, 3 Years Warranty, certification for calibration and thermal stability	Single	5
780	VBM-108	Micro pipette single channel 0.5 – 10 µl,	single channel 0.5 – 10 µl, with Quick and secure volume setting, Spring Loaded Tip Cone for	Single	10

			connecting TIPS very tightly, adjustment window for adjusting pipette to a specific liquid. Control Button with very low operating force, Color indication for pipette volume. 4 Digits volume display with magnifier. Piston with thermal, mechanical and chemical stability anto anticorrosive. serial number printed on multiple components of the pipette, Easy to remove lower part for cleaning pipette, Fully Autoclavable, withstand UV irradiation without discoloration, 3 Years Warranty, certification for calibration and thermal stability		
781	VBM-109	Micro pipette single channel 2–20 µl	single channel 2– 20 µl with Quick and secure volume setting, Spring Loaded Tip Cone for connecting TIPS very tightly, adjustment window for adjusting pipette to a specific liquid. Control Button with very low operating force, Color indication for pipette volume. 4 Digits volume display with magnifier. Piston with thermal, mechanical and chemical stability anto anticorrosive. serial number printed on multiple components of the pipette, Easy to remove lower part for cleaning pipette, Fully Autoclavable, withstand UV irradiation without discoloration, 3 Years Warranty, certification for calibration and thermal stability	Single	5
782	VBM-110	Micro pipette single channel 30 – 300 µl	single channel 30 – 300 µl with Quick and secure volume setting, Spring Loaded Tip Cone for connecting TIPS very tightly, adjustment window for adjusting pipette to a specific liquid. Control Button with very low operating force, Color indication for pipette volume. 4 Digits volume display with magnifier. Piston with thermal, mechanical and	Single	5

			chemical stability anto anticorrosive. serial number printed on multiple components of the pipette, Easy to remove lower part for cleaning pipette, Fully Autoclavable, withstand UV irradiation without discoloration, 3 Years Warranty, certification for calibration and thermal stability		
783	VBM-111	Micro pipette multi channel 0.5 - 10µl	multi channel 0.5 - 10µl. with Quick and secure volume setting, Spring Loaded Tip Cone for connecting TIPS very tightly, adjustment window for adjusting pipette to a specific liquid. Channels amenable for adjusting the distance between channels to use it for different format like 24 well plate, 6 well plate, etc, Control Button with very low operating force, Color indication for pipette volume. 4 Digits volume display with magnifier. Piston with thermal, mechanical and chemical stability and made of anticorrosive material. Serial number printed on multiple components of the pipette, Easy to remove lower part for cleaning pipette, Fully Autoclavable, withstand UV irradiation without discoloration, 3 Years Warranty, certification for calibration and thermal stability	Single	5
784	VBM-112	Micro pipette multi channel 10 - 100µl	multi channel 10 - 100µl with Quick and secure volume setting, Spring Loaded Tip Cone for connecting TIPS very tightly, adjustment window for adjusting pipette to a specific liquid. Channels amenable for adjusting the distance between channels to use it for different format like 24 well plate, 6 well plate, etc, Control Button with very low operating force, Color indication for pipette volume. 4 Digits volume display with magnifier. Piston with	Single	5

			thermal, mechanical and chemical stability and made of anticorrosive material. Serial number printed on multiple components of the pipette, Easy to remove lower part for cleaning pipette, Fully Autoclavable, withstand UV irradiation without discoloration, 3 Years Warranty, certification for calibration and thermal stability		
785	VBM-113	Micro pipette multi channel 30-300µl	multi channel 30- 300µl with Quick and secure volume setting, Spring Loaded Tip Cone for connecting TIPS very tightly, adjustment window for adjusting pipette to a specific liquid. Channels amenable for adjusting the distance between channels to use it for different format like 24 well plate, 6 well plate, etc, Control Button with very low operating force, Color indication for pipette volume. 4 Digits volume display with magnifier. Piston with thermal, mechanical and chemical stability and made of anticorrosive material. Serial number printed on multiple components of the pipette, Easy to remove lower part for cleaning pipette, Fully Autoclavable, withstand UV irradiation without discoloration, 3 Years Warranty, certification for calibration and thermal stability	Single	5
786	VBM-114	Micro pipette Single channel 0.1 – 2.5 µl	Single channel 0.1 – 2.5 µl with Quick and secure volume setting, Spring Loaded Tip Cone for connecting TIPS very tightly, adjustment window for adjusting pipette to a specific liquid. Control Button with very low operating force, Color indication for pipette volume. 4 Digits volume display with magnifier. Piston with thermal, mechanical and chemical stability anto anticorrosive. serial number	Single	5

			printed on multiple components of the pipette, Easy to remove lower part for cleaning pipette, Fully Autoclavable, withstand UV irradiation without discoloration, 3 Years Warranty, certification for calibration and thermal stability		
787	VBM-115	Micro Plates Flat bottom	Plates having flat bottom wells 96 (wells) disposable type	50/pack	5
788	VBM-116	Micro Plates U bottom	96 well, U Bottom plates for HA and HI Tests ,50/pack	50/pack	5
789	VBM-117	Micro Tip Box with 1000µl microtips	To keep 1000 ul Micro tips, Autoclavable, 10/pack, 96 places,RNAse,DNAse,Protease free	Pack of 1000	2
790	VBM-118	Micro Tip Box with 200µl microtips	To keep 20 to 200 ul Micro tips, Autoclavable, 10/pack, 96 places,RNAse,DNAse,Protease free	10/pack	50
791	VBM-119	Micro Tips 0.1 - 20 µl	Made of Medical grade polypropylene, autoclavable, beveled orifices for total sample recovery, free of lubricants, dyes and heavy metals.Certified DNase, RNase free.	1000 pcs/pack	442
792	VBM-120	Micro Tips 10 ml	Made of Medical grade polypropylene, autoclavable, beveled orifices for total sample recovery, free of lubricants, dyes and heavy metals.Certified DNase, RNase free.	1000 pcs/ pack	375
793	VBM-121	Micro Tips 100-1000 µl	Made of Medical grade polypropylene, autoclavable, beveled orifices for total sample recovery, free of lubricants, dyes and heavy metals.Certified DNase, RNase free.	1000 pcs/ pack	50
794	VBM-122	Micro Tips 20-200 µl	Made of Medical grade polypropylene, autoclavable, beveled orifices for total sample recovery, free of lubricants, dyes and heavy metals.Certified DNase, RNase free.	1000 pcs/pack	5
795	VBM-123	Micro Tips 5 ml	Made of Medical grade polypropylene, autoclavable, beveled orifices for total sample recovery, free of	1000 pcs/pa	579

			lubricants, dyes and heavy metals.Certified DNase, RNase free.	ck	
796	VBM-124	Microscope slide labels	Self adhesive, water proof, paper labels. Should resist chemicals and should not smear, fade or fall off when exposed to chemicals and solvents typically used in the lab for cleaning	1000/pack	1500
797	VBM-125	Microscopic slide tray	Holds upto 20 standard microscopic slides at an angle	Single	50
798	VBM-126	Microcentrifuge tubes-0.6ml	clear micro centrifuge tubes Low retention, PP made, 0.6ml capacity, 1000/pk	1000/pack	10
799	VBM-127	Microcentrifuge tubes-1.5mI	clear micro centrifuge tubes PP made, 1.5 ml capacity 500/pk	500/pack	474
800	VBM-128	Mortor and pestle	made of stone, ceramic	Single	25
801	VBM-129	Multipurpose labeling tape	Autoclavable, adhesive to dry surface like glass, plastic & rubber, Size: 75x500 inches	single	500
802	VBM-130	N - 95 Particulate Respirator	NIOSH approved N-95 filtering face piece particulate respirator for NON-OIL applications. Efficiency at least 95% filtration efficiency against solid and liquid aerosols that donot contain oil. TC -84 A - 007, head bands welded eye bands (dual) Cup Shaped, Adjustable nose clip, Maintenance free compatible with other PPE like eyeware, head gear, ear protection etc.	20/pack	1000
803	VBM-131	Neutral Glass vials with rubber bung, Aluminum seal and label	Tubular, 2 ml neutral glass vials, USP type1 with double slit bromobutyl rubber bungs, coloured aluminium caps and printed roller label stickers and polythene covers with VBRI emblem size (26 x 16 Cms)	Single	4
804	VBM-132	Oligo nucleotides	single nucleotide A or T or G or C	Single	20

805	VBM-133	Para film M - 25	Universal, semi-transparent, highly elastic film designed for airtight and moisture-proof sealing and should stretch up to 200% and fors a completely tight seal even with irregular shapes and areas.Resistant to polar substances such as saline solutions, inorganic acids and alkalis for up to 48 hours. Effective temperature range −45 to +50 °C	Single	10
806	VBM-134	Pasteur pipettes	sterile individually packed, 3ml volume capacity	100/pk	10
807	VBM-135	Pasteur Pipette plastic-non sterile 3mI	Plastic-non sterile,3ml, one piece, polyethylene plastic made,Pack of 100	01 nos	117
808	VBM-136	PCR mix	Emerald Amp HS PCR mix	160 Rxns	20
809	VBM-137	PCR mix for dye based qPCR	TB Green® Advantage® qPCR Premix	200 Rxns	3
810	VBM-138	PCR mix for probe based qPCR	Premix extaq probe qPCR Rox plus	200 Rxns	3
811	VBM-139	PCR tubes 0.2 ml	For use with all thermal cyclers with 0.2 mL block format, certified free of DNA, DNase, RNase and PCR inhibitors, Tight sealing cap, Easy to open,	1000/pack	10
812	VBM-140	Perfringens Agar Base	For isolation of Clostridium perfringens selectively and for culture maintenance	500gm	1
813	VBM-141	petri dishes-3 compartment	Sterile,disposable - 3 compartment,100 x 15mm	10/pack	24
814	VBM-142	Petri dishes - disposable	Sterile-trivent-disposable,100 x 15mm	10/pack	24
815	VBM-143	PH indicator paper booklets	2.0 to 5.0, 4.0 to 8.0, 9.0 to 14.0, 2.0 to 10.5 (Assorted),10 no. pack booklet	Single	150

816	VBM-144	Pipette Stand	Stand to hold 5 Micro pipettes	Single	7
817	VBM-145	Pipettes for Sahlis Hemo globino Meter	20 µl with PVC connector and mouth piece.,11 tubes set.Can be used for estimation of hemoglobin in multiple blood samples. 20 µl	Single	2
818	VBM-146	Plastic Conical test tubes	Centrifuge tube, plastic make, 15ml	Single	50
819	VBM-147	Plastic specimen collection containers-250ml	Tightly screw capped bottles for collection of Toxicological specimens -250ml	Single	50
820	VBM-148	Plastic specimen collection containers-500ml	Tightly screw capped bottles for collection of Toxicological specimens - 500ml	Single	50
821	VBM-149	Plastic trays with Side walls	Made by HDPE plastic, 65 cm x 45 cm x 21 cm (LXWXH) with handle	Single	10
822	VBM-150	Polythene Covers (Thick) for packing of sera sample vials	10"x 12" size for packing of 200 sera samples	1 kg	5
823	VBM-151	PPE - Disposable	Components, 1 Dangri, Disposable free size full sleeves made up of non woven fabrics (spun bonded, poly propylene material not less than 90 gsm) cuff with with elastics, zipper infronr hood attached covering sides of face and neck.2. House gloves: disposable ISI mark size No. 10 shoe cover disposable made up of polyester woven fabric with protective rubber coating preferably teroron, with thick paded foot base and can be used in field conditions. Disposable protective glasses. disposable with clear glasses '0' power Eye fitting with elastic bend holder 5. Mask: simple surgical mask with nose piece.6. the kit must be disinfected by gamma irradiation and irradiation certificate produced at the time of supply.	Single	1000
82	VBM	prefilters	Glass fibre prefilter for filtration of medium 47 mm	100/pa	2

4	-152		diameter	ck	
825	VBM -153	Probe cleaser for Semi Automatic Hematology analyzer	Reagents suitable for semi automatic haematology analyzers Probe cleanser -Mindray	50 ml x4 /pack	6
826	VBM -154	qPCR Plates	MicroAmp Optical 96 well reaction plate with barcode, PCR compatible DNA/RNA/RNAse free made by Applied Biosystems for Applied Biosystems Real Time PCR machine (Quantstudio 5)	20 plates	5
827	VBM -155	qPCR Plates adhesive films	MicroAmp Optical Adhesive Film reduces well-to-well contamination and sample evaporation compatible to microAmp optical 96well reaction plate with barcode made by Applied Biosystems for Applied Biosystems Real Time PCR machine (quantstudio 5)	100 covers	5
828	VBM -156	Reagent strip for Urine analysis	Urobilinogen,Bilurubin,Ketone,Blood,Protein,Nitrite, leucocytes,Glucose, specific gravity and PH.	One Tin (100 strips)	500
829	VBM -157	Rinse for Semi Automatic Hematology analyzer	Reagents suitable for semi automatic haematology analyzers Rinse -Mindray	20L	5
830	VBM -158	Rnase Zap	Cleaning agent for removal of Rnase, 250ml	250 ml	5
831	VBM -159	Sealant	Silicon make	Single	25
832	VBM -160	Slide box storage rack	Box type rectangular transparent plastic rack with pullout lids with 6 chambers to accommodate slide boxes.	single	15
833	VBM -161	Slide Storage Box	Slide storage - 50 slides, Material polypropelene	Single	200
834	VBM -162	SOP display boards - Wall mounted	SS make Aluminium Frame, 1.5x2 Feet	Single	100

835	VBM-163	Spatula	6" length, made of stainless steel	Single	50
836	VBM-164	Stabiflexiloop plus- 2	sterile, calibrated loop with streaker or stabber tip size 2.0mm diameter, calibrated to 0.005ml, individually sealed	100/pk	5
837	VBM-165	Steam process indicator strips	Geobacillus Stearothermophilus Biological Indicator Strip for steam sterilization; 10^6 spores per strip; Storage - Store below 30°C	Single	30
838	VBM-166	sterile cotton swabs	individually sealed, with wooden stick, 150x2.5mm	100/pk	2000
839	VBM-167	Sterile disposable pipettes-10ml	10 ml capacity Sterile individually packed, gamma irradiated, nonpyrogenic, non haemolytic and noncytotoxic.	Single	50
840	VBM-168	Sterile disposable pipettes-5ml	5 ml capacity Sterile individually packed, gamma irradiated, nonpyrogenic, non haemolytic and noncytotoxic.	Single	50
841	VBM-169	Storage (Cryo) vials 2ml	2ml, Polypropylene,sterile self standing,withstand temperature of -192 degree celsius	1000/pack	15
842	VBM-170	Storage vials	20ml capacity with screw cap and rubber lining,Polypropylene, Autoclavable	500/pack	15
843	VBM-171	Strip cup for mastitis test	Plastic strip cup with black plastic screen for easy identification of any flakes or clots of abnormal milk. Approx. 4 3/4 inches tall x 6 1/4 Outer diameter. Washes easily with warm water or throw it in your wash sink and wash it with the pipeline.	single	50
844	VBM-172	Super Sensitive ™ Polymer – HRP IHC Detection kit	1.Ready to use 2. for 60 slides. 3.Contains Peroxide block - 6ml; Power Block- 6ml, Super Enhancer TM Reagent -6ml; Poly HRP Reagent 6ml; DAB (Diaminobenzodine) Chromogen 1ml; stable DAB Buffer 10ml, Mouse negative control 3ml; Rabbit negative control 3ml; Hematoxylin 6ml	single	1

845	VBM-173	Syringe Disposable 2ml with Needle	2 ml with needle, 24 G	single	200
846	VBM-174	Test tube box with cap 96 well	Polypropylene , 96 well reversible PCR and microcentrifuge tube racks	single	20
847	VBM-175	Test tube holders	Wooden handle with iron grip	Single	50
848	VBM-176	Test tube stand 80 well	Polypropylene , 80 well reversible PCR and microcentrifuge tube racks	single	30
849	VBM-177	Test tube stand for 15 ml centrifuge vials	Polypropylene to hold 15- 30 tubes	single	10
850	VBM-178	Thermo Conductive Rack 1.5 ml and PCR tubes	These racks can be used in Mini Coolers or Ice Bucket and Tray, 1.5ml tubes and PCR tubes or strips	Single	5
851	VBM-179	Thermo Conductive Rack 1.5ml	These racks can be used in Mini Coolers or Ice Bucket and Tray,24 Microtube 1.5ml.	Single	5
852	VBM-180	Thermo Conductive Rack 1.8ml	These racks can be used in Mini Coolers or Ice Bucket and Tray,24 Cryovial 1.8ml.	Single	5
853	VBM-181	Thermo Conductive Rack, PCR tube or plate	These racks can be used in Mini Coolers or Ice Bucket and Tray,96 PCR tubes or strips or plate	Single	5
854	VBM-182	Thermo hygrometer - Digital	With DIGITAL display Material - Durable Hard Plastic. Temperature range: -10℃~+50℃. , Humidity range: 10%~99%RH Accuracy: temperature: ± 1℃(1.8℉), humidity: ± 5%RH (40%~80%) , Storage condition: -20℃~60℃, 20~80%RH. Amenable for wall hanging and desk top placing	Single	10
855	VBM-183	Thermocol boxes - large	size:45cmX30cmx30cm	Single	30
856	VBM-184	Thermocol boxes -small	size: 15cmx 15cmx15cm	Single	30

857	VBM-185	Thermometer - Freezer	Monitor Temperature inside freezer,Set freezer range -9.5 degrees -23 degrees, refrigerator range 2degrees to 8 degrees,136 x19 x28mm, with probe cable, Moniter temprature insight freezer with the added convenience of sound and flashing LED lights to alert out of range temperature	Single	2
858	VBM-186	Tissue culture bottles 75 sq cm	75 Sq.cm Sterilized nonreactive, nontoxic to cell lines and culture media. Disposable	5/ pack	30
859	VBM-187	Tissue culture flask 25 sq cm	25 Sq.Cm, Sterile nonreactive, nontoxic to cell lines and culture media. Disposable	10/ pack	50
860	VBM-188	Tissue paper rolls " inches X5 inches	2 ply Tissue rolls used for laboratory instruments cleaning. unembossed and plain. 400Pulls roll. 15 GSM.	Single	34
861	VBM-189	TLC plates	60 F254, 25 Aluminium sheets 20 X 20 Cms	25/pack	1
862	VBM-190	Tongs Big size	10 inches made of stainlesssteel	Single	20
863	VBM-191	Tongs Small size	6 inches made of stainlesssteel	Single	20
864	VBM-192	Tripod for Bunsen burner	With a wire mesh for effective heating on low flame.	Single	25
865	VBM-193	Tubes centrifuge with screw cap	Autoclavable graduated overflowing capacity: 15 ml Suitable to store at -20^{0}C, poly propylene made	100/pack	500
866	VBM-194	Utility trays	Size 320x260x70mm, 6/pack, polypropylene transparent	Single	5
867	VBM-195	UV cabinet with short and long wave lengths	Fitted with short wave length 254mm & long wave length 365mm UV tubes and Fluoroscent tube 256 X 356 mm	Single	5
868	VBM-196	Vaccine Carriers-1.6 Ltrs Capacity	Vaccine carrier,Large, Long range vaccine storage capacity 1.6 litres with 35 hrs cold life	single	200
86	VBM	Vacutainer with needle and	Blood collection tubes BD with EDTA anticoagulant	100/pk	50

9	-197	holder- **with EDTA** Anti Coagulant 2 ml	- 2 ml(Double cap) with 5 Hubs		
870	VBM -198	Vacutainer with needle and holder- **with Heparin** Anti Coagulant 2 ml	Blood collection tubes BD with Heparin anticoagulant - 2 ml(Double cap) with 5 Hubs	100/pack	50
871	VBM -199	Vet Test Pipette Tips	for veterinary use only and for use with vettest IIDEXX analyzers only.	500 tips/pack	2
872	VBM -200	Viral DNA/RNA purification kit	Magnetic bead based, compatible for insta NX Mag 32	32X10 samples	10
873	VBM -201	Wall mount SS-304 rack	Made of Stainlesssteel -304 grade wall mount rack with glass view doors with adjustable interior 1-2 partition racks, dimensions 90X30X60CM, with installation	single	50
874	VBM -202	Waring blender with cap (large and small)	Waring commercial,GMP laboratory compliant with 1 lt and 3 lts capacity jars with RPM digital display.Switch settings 3 speed OFF, LOW, MED, HIGH PULSE. Rrpm upto 20,000;, Rating: 120volts-60hz single PhaseAC(~)-15.0 Amps. 220-240 volts-50-60HZ-Single phase AC(~)-1500 Watts. Container:Stainless steel with stainless steel blades-clear polycarbonate clamp-on lid with gasket and stopper. Bearing: High performance ball bearing. Cord: 7 foot (2.44m) three conductor ground cord with strain relief in base.Timer: Adjustable from 1 to 30 minutes Operating cycle 3 minutes ON/1min Off, 3 years Manufacturers warranty	Single	1
87	VBM	Waring blender with cap	Waring commercial 3 lts capacity and 0.5 lit	Single	1

5	-203	(large and small)	capacity		
876	VBM -204	Wash bottles 500ml	squeeze bottle with a nozzle, used to rinse various pieces of laboratory glassware	single	50
877	VBM -205	Weighing boats Medium size	Polysterene Anti-Static, Disposable Weighing Dishes standard square for weighing chemicals	100/pack	4
878	VBM -206	Zinc oxide Adhesive tape	Zinc oxide adhesive cotton tape. Pressure-sensitive adhesive tape. Size: 10cmx8m. Used for sealing ELISA plates	single	15

LIST OF VETERINARY AND ARTIFICIAL INSEMINATION EQUIPMENTAND VETERINARY DIAGNOSTIC & LABORATORY NEEDS AND MISCELLANEOUS ITEMS PROPOSED UNDER RATE CONTRACT FOR 2024-2025 & 2025-26

S. No.	Item Code	Item Name	Specifications	Unit Pack	Approximate Quantity Required
AIE - ARTIFICIAL INSEMINATION EQUIPMENT					
1	AIE-1	AI Straws (0.25 ml) (Imported)	The straws should be made PVC of suitable grade which can withstand long time storage in liquid nitrogen i.e. temperature of Minus 196 Degree Celsius. Each straw should have volume of about 0.25 ml and 133mm plus or minus 1mm long with Inner Dia. of 1.6 ± 0.1mm and external diameter of 1.9 ± 0.1mm. The factory plug of straws should absorb less semen than regular straws. The straws should be available in pastel colors like pastel red, pastel green, pastel blue, pastel yellow, grey pastel orange, Salmon & Transparent . The straws should not lose shape in normal storage condition. Packing in sterile polyethelene bags and sealed hermetically with all marking details on pack. Required specifiations of CMU suppliers earlier. (ISO Certified)	Pack of 2000 straws in ZIP lock bags	3000
2	AIE-2	Unplugged straws 0.25 ml (Imported)	These straws are required for sampling of semen for sperm concentration should be compatible with IMV make Photometer.	Pack of 2000 straws	50
3	AIE-3	Artificial Vagina cones - 9 inches	The cone should be made of virgin latex rubber, 9 inches long with one end tampering to fix on semen collection tube of 15 mm diameter and other end suitable to fit to AV hose pipe. It should be withstand steam sterilization	Single	600

LIST OF VETERINARY AND ARTIFICIAL INSEMINATION EQUIPMENTAND VETERINARY DIAGNOSTIC & LABORATORY NEEDS AND MISCELLANEOUS ITEMS PROPOSED UNDER RATE CONTRACT FOR 2024-2025 & 2025-26

S. No.	Item Code	Item Name	Specifications	Unit Pack	Approximate Quantity Required
AIE - ARTIFICIAL INSEMINATION EQUIPMENT					
1	AIE-1	AI Straws (0.25 ml) (Imported)	The straws should be made PVC of suitable grade which can withstand long time storage in liquid nitrogen i.e. temperature of Minus 196 Degree Celsius. Each straw should have volume of about 0.25 ml and 133mm plus or minus 1mm long with Inner Dia. of 1.6 ± 0.1mm and external diameter of 1.9 ± 0.1mm. The factory plug of straws should absorb less semen than regular straws. The straws should be available in pastel colors like pastel red, pastel green, pastel blue, pastel yellow, grey pastel orange, Salmon & Transparent . The straws should not lose shape in normal storage condition. Packing in sterile polyethelene bags and sealed hermetically with all marking details on pack. Required specifiations of CMU suppliers earlier. (ISO Certified)	Pack of 2000 straws in ZIP lock bags	3000
2	AIE-2	Unplugged straws 0.25 ml (Imported)	These straws are required for sampling of semen for sperm concentration should be compatible with IMV make Photometer.	Pack of 2000 straws	50
3	AIE-3	Artificial Vagina cones - 9 inches	The cone should be made of virgin latex rubber, 9 inches long with one end tampering to fix on semen collection tube of 15 mm diameter and other end suitable to fit to AV hose pipe. It should be withstand steam sterilization	Single	600

			i.e autoclave at 5 Psi for 20 minutes. It should be of thick rubber.		
4	AIE-4	Artificial Vagina cones siliconized - 9 inches	The cone should be made of siliconized rubber, 9 inches long with one end tampering to fix on semen collection tube of 15 mm diameter and other end suitable to fit to AV hose pipe. The inner surface should be very smooth and shining to permit free flow of semen. It should be withstand steam sterilization i.e autoclave at 5 Psi for 20 minutes	Single	600
5	AIE-5	Artificial Vagina Hose Pipe 8 inches	Artificial vagina made up of rubber hose pipe 58 mm Dia & 8 inches length approx fitted with good quality brass valve, for pouring hot water, brass valve should be leakproof. It should be withstand steam sterilization i.e autoclave at 5 Psi for 20 minutes	Single	150
6	AIE-6	Artifical Vagina Hose pipe - 10 inches	Artificial vaginas made of rubber hose, suitable for buffalo bulls, 10 inches long, 62mm Dia approx fitted with good quality brass valve for pouring hot water. The brass valve should be leak proof for air and water. The body should be slightly pliable. Both the edges should be rounded, smooth and elevated to hold the rubber liner.It should be withstand steam sterilization i.e autoclave at 5 Psi for 20 minutes	Single	300
7	AIE-7	Artifical Vagina Hose pipe - 12 inches	Artificial vaginas made of rubber, suitable for cattle and buffalo bulls, 12 inches long, 62 mm Dia approx., fitted with good quality brass valve for pouring hot water. The brass valve should be leak proof for air and water. The body should be slightly pliable. Both the edges should be rounded, smooth and elevated to hold the rubber liner.It should be withstand steam sterilization i.e autoclave at 5 Psi for 20 minutes	Single	150
8	AIE-8	Artifical Vagina Hose pipe - 14 inches	Artificial vaginas made of rubber, suitable for cattle bulls, 14 inches long, 62mm Dia approx., fitted with good quality brass valve for pouring hot water. The brass valve should be leak proof for air and water. The body	Single	150

			should be slightly pliable. Both the edges should be rounded, smooth and elevated to hold the rubber liner.		
9	AIE-9	Artificial Vagina liners - 12 inches	The rubber liner should be made of virgin latex rubber and 12 inches long 60mm Dia approx with both sides smooth. The liner should be of uniform thickness, smooth and soft. It should withstand repeated sterilization i.e autoclave at 5 Psi for 20 minutes	Single	1000
10	AIE-10	Artificial Vagina liners - 14 inches	The rubber liner should be made of virgin latex rubber and 14 inches long 60mm Dia approx with both sides smooth. The liner should be of uniform thickness, smooth and soft. It should withstand repeated sterilization i.e autoclave at 5 Psi for 20 minutes	Single	1000
11	AIE-11	Artificial Vagina liners - 16 inches	The rubber liner should be made of virgin latex rubber and 16 inches 60mm Dia approxlong with both sides smooth. The liner should be of uniform thickness, smooth and soft. It should withstand repeated sterilization i.e autoclave at 5 Psi for 20 minutes	Single	1000
12	AIE-12	Artificial Vagina liners - 16 inches	The rubber liner should be made of virgin latex rubber and 16 inches width 3.5 inches approxlong with both sides smooth. The liner should be of uniform thickness, smooth and soft. It should withstand repeated sterilization i.e autoclave at 5 Psi for 20 minutes	Single	1000
13	AIE-13	Artificial Vagina liners - 18 inches	The rubber liner should be made of virgin latex rubber and 18 inches 60 mm Dia approx long with both sides smooth. The liner should be of uniform thickness, smooth and soft. It should withstand repeated sterilization i.e autoclave at 5 Psi 20 minutes	Single	1000
14	AIE-14	Freezing Racks 0.25 ml straws	Should be SS make, resistance to Minus 196 Degree Celsius and capacity to hold 175 straws. Should also be compatible with IMV make biofreezer.	Single	100
15	AIE-15	Disposable plastic Goblets 65 mm dia 118 mm long capacity 660 French mini straws	The goblets should be made from virgin plastic compound with size of 65 mm dia and 118 mm long. The goblets should withstand repeated cooling to Minus 196 Degree Celsius and thawing to ambient temperature.	Pack of 500	10

16	AIE-16	Disposable plastic Goblets 13 mm dia 118 mm long capacity 25 French mini straws	The goblets should be made from virgin plastic compound with size of 13 mm dia and 118 mm long. The goblets should withstand repeated cooling to Minus 196 Degree Celsius and thawing to ambient temperature. The goblets should be compatible with the imported make straw counting and filling machine. It should accommodate 25 French mini straws.	Pack of 300	16
17	AIE-17	Disposable plastic Goblets 9.2 mm dia 118 mm long capacity 10 French mini straws	The goblets should be made from virgin plastic compound with size of 9.2 mm dia and 118 mm long. The goblets should withstand repeated cooling to Minus 196 Degree Celsius and thawing to ambient temperature. The goblets should be compatible with the imported make straw counting and filling machine. It should accommodate 10 French mini straws.	Pack of 300	16
18	AIE-18	Disposable Plastics Goblets hexagonal capacity 80 french mini straws	The goblets should be made from virgin plastic compound Hexagonal shape with size of 20 mm dia and 118 mm long. The goblets should withstand repeated cooling to Minus 196 Degree Celsius and thawing to ambient temperature. The goblets should be compatible with the imported make straw counting and filling machine. It should accommodate 80 French mini straws.	Pack of 150	65
19	AIE-19	Goblets for straws 65 mm (Aluminum)	The goblets should be made from anodized aluminum with size of 65 mm diameter and 118 mm long. The edges should be smooth. The sheet should be of 30 gauge.	Single	1000
20	AIE-20	Goblets for straws 35 mm (Aluminum)	The goblets should be made from anodized aluminum with size of 35 mm diameter and 118 mm long. The edges should be smooth. The sheet should be of 30 gauge.	Single	25000
21	AIE-21	Goblets for straws 13 mm (Aluminum)	The goblets should be made from anodized aluminum with size of 13 mm diameter and 118 mm long. The edges should be smooth. The sheet should be of 30 gauge.	Single	10000
22	AIE-	Gum boots Full size (in	Gumboots should be of light weight, made of rubber /	Single	1300

	22	pair)	synthetic rubber with cloth lining inner side. Sizes-8,9, 10 Assorted Full size Height – 14 Inch with steel toe.		
23	AIE-23	Gum boots Ankle size (in pair)	Gumboots should be of light weight, made of rubber / synthetic rubber with cloth lining inner side. Sizes 8, 9, 10 with steel toe.	Single	1300
24	AIE-24	Liquid Nitrogen Storage Tank 3000 Lit. Capacity	Vertical LN storage tank of 3000 litres Cap, Super insulated to be operated at low pressure of 0.9 kgs/ cm^2. With warranty for vaccum and system for 3 years.	Single	5
25	AIE-25	Liquid Nitrogen Storage Tank 6000 Lit. Capacity	Vertical LN storage tank of 6000 litres Cap, Super insulated to be operated at low pressure of 0.9 kgs/ cm^2 . With warranty for vaccum and system for 3 years.	Single	5
26	AIE-26	Liquid Nitrogen Storage Tank 10000 Lit. Capacity	Vertical LN storage tank of 10000 litres Cap, Super insulated to be operated at low pressure of 0.9 kgs/ cm^2 . With warranty for vaccum and system for 3 years.	Single	5
27	AIE-27	Liquid Nitrogen Transport Tanker 10000 Lit. Capacity	Liquid Nitrogen Tanker with 10000 Lit. Capacity to be mounted on transport vehicle. Warranty for 2 Years.	Single	2
28	AIE-28	Wide Mouth Frozen Semen Containers fitted with castor wheels.	Capacity 300-350 liters of liquid Nitrogen with static evaporation loss rate less than 7 liters per day. The container should accommodate about 100 no. of canisters with O.D 70-72 mm, height 520 mm. The neck diameter should be about 800 mm.The lid should be sturdy and long lasting with handles. The insulation materials used for the lids should be of good quality rigid thermo cole. It should be supplied compatible canisters, lifters for goblets, dividers, freezing grill, (perforated) and flat acrylic lid of 6-8 mm thick. It should have temperature indicator, Low temperature alarm, Level indicator & Low level alarm indicator. Warranty for 2 Years.	Single	6
29	AIE-29	Frozen Semen Storage Container 30-35 liters	Capacity 30-35 liters of liquid Nitrogen with static evaporation loss rate of 0.118 liters per day at STP, six canisters with OD 38 mm, height 120 mm. The level of liquid nitrogen from bottom should be about 33 cms. The neck diameter should be 50 mm. The container is	Single	10000

			required for storage of FS doses at Veterinary Institutions. Warranty for 2 Years.		
30	AIE-30	Portable Frozen Semen Container 3-4 liters	Capacity 3-4 liters of liquid Nitrogen with static evaporation loss rate of 0.135 liters per day at STP, six canisters with OD 38 mm, height 120 mm. The level of liquid nitrogen from bottom should be about 20 cms. The neck diameter should be 50 mm. This container is meant for doorstep AI by private AI practitioners and should be sturdy. Warranty for 2 Years.	Single	10000
31	AIE-31	Liquid Nitrogen Container Jumbo-12	Capacity 45-50 liters of liquid Nitrogen with static evaporation loss rate of 0.38 liters per day at STP, 11 canisters with OD 72 mm, height 280mm. The level of liquid nitrogen from bottom should be about 42 cms. The neck diameter should be 120 mm. This container is required for storage and transport of FS doses from production centre to district Head quarters. Warranty for 2 Years.	Single	250
32	AIE-32	Liquid Nitrogen Storage and Transport Container 50-55 liters	Capacity 50-55 liters of liquid Nitrogen with static evaporation loss rate of 0.43 liters per day at STP. The neck diameter should be 50 mm. The container should be sturdy, fitted with rubber ring and rubber bottom pads to prevent friction. It should have two well placed handles. This container is required for transportation of LN from district Head Qarter to institutions. Warranty for 2 Years.	Single	250
33	AIE-33	Canisters for BA 3	Canisters for BA 3 Cryo container	Single	2500
34	AIE-34	Canisters for Jumbo 12	Canisters for Jumbo 12 Cryo container	Single	100
35	AIE-35	Spare Lids for Liquid Nitrogen (LN) Containers 3-4 lit	Spare lids for Liquid Nitrogen storage of 3-4 lit capacity	Single	2000
36	AIE-36	Spare Lids for LN Containers 35 lit	Spare lids for Liquid Nitrogen storage of 35 lit capacity	Single	2000
37	AIE-	Spare Lids for LN Containers 51.5	Spare lids for Liquid Nitrogen storage & transport of	Single	2000

	37	lit	51.5 lit capacity		
38	AIE-38	Photo Meter bulb	Spare for IMV Photo Meter	Single	10
39	AIE-39	Cuvettes for Photo Meter (Disposable)	Made of clear plastic 45 mm long and 10 mm square compatible to IMV make Photometer. The cuvettes should not have any scratches and totally clear and transparent	Pack of 100	100
40	AIE-40	Disposable Head Caps	To be used by the staff in the laboratory. The colour should be blue or green.	Single	5000
41	AIE-41	Disposable Face Masks	To be used by the staff in the laboratory. The colour should be blue or green should have widen thread so as to have convinient at ear ends.	Single	5000
42	AIE-42	Shoe covers	Disposables.The colour should be blue or green.	Single	2000
43	AIE-43	Gloves Surgical sterile 6 inches	6 Size Latex surgical Gloves BIS in pair	Single	2000
44	AIE-44	Gloves Surgical sterile 6½ inches	6 1/2" Size Latex surgical Gloves BIS in pair	Single	2000
45	AIE-45	Gloves Surgical sterile 7 inches	7 Size Latex surgical Gloves BIS in pair	Single	2000
46	AIE-46	Gloves Surgical sterile 7½ inches	7 1/2" Size Latex surgical Gloves BIS in pair	Single	2000
47	AIE-47	Disposable Hand gloves	superior nitrile gloves, 50 pair pack Textured, Powder Free,Latex free, Ambidextrous with sizes of Medium, Large and X- Large	Single	2000
48	AIE-48	Aspiration cones	It should be compatible to IMV filling and sealing IS 4 machine	Pack of 100	100
49	AIE-49	Semen Filling Flexible Tubes	Tubes couple 290 mm long. Flexible tubes connecting the IMV Make IS4 filling sealing machine and unplugged straws.	Pack of 60 Tubes	250
50	AIE-50	SS Long Aspiration Needles	The SS long aspiration needles should be compatible with IMV Make IS4 straw filling and sealing machine suitable for filling 0.25ml straws. The filling end of needle should match with dimensions of French Mini straws.	Single	100

51	AIE-51	SS Short Aspiration Needles	The SS short aspiration needles should be compatible with IMV Make IS4 straw filling and sealing machine suitable for filling 0.25ml straws. The filling end of needle should match with dimensions of French Mini straws.	Single	100
52	AIE-52	Aspiration & Filling Needle Boots	It should tighten properly while filling the straws and compatible for IMV make IS4 filling integrated system	Pack of 100	10
53	AIE-53	Filling sealing machine Teflon Needle Holders	It should fix the needle firmly while filling the straws for IMV Make IS4 Machine	Single	5
54	AIE-54	Dipstick for LN2 container	Made of plastic should have double graduation in Cms and inches for 1 meter.	Single	10000
55	AIE-55	AI Gun Containers	The AI gun container should be made rigid PVC with the following dimensions 470 mm long 25 mm O.D. and 1 mm thick. It should be of white colour. It should have lids at both ends, which can be removed easily	Single	10000
56	AIE-56	AI Gun for French Mini Straws (0.25 ml) - (Imported) -	Made of non magnetic grade 304 Stainless steel body and piston, with one ring of metallic lock on body for locking of sheath and suitable for 0.25 ml/0.5ml straws and split / unsplit sheats. (ISO Certified)	Single	10000
57	AIE-57	AI Sheaths split (Imported)	Sterile AI sheath of 443 ± 1 mm with outer diameter of 4.3 ± 0.15 mm suitable for 0.25 ml French mini straws made of transparent polyvinyl chloride and packed in single sterile polythene tear pack with 4 sided sealed pack. The sheath should have a split, match with standard imported AI gun, and fit with the straw. The sheath should have plastic bead to hold the straw, which should move smoothly in the sheath. Bundle of 50 such sheaths in a sterile thick polythene pack. (ISO Certified)	Pack of 50	50000
58	AIE-58	AI Sheaths Unsplit suitable for Spiral Gun for 0.25 ml Straws (Imported)	Sterile AI sheath suitable for 0.25 ml French mini straws made of transparent polyvinyl choloride and packed in single sterile polythene tear pack at rear and sealed on 4 sides. The sheath should not have any split, match with spiral imported AI gun, and fit with the straw. The sheath should have plastic bead to hold the straw, which should move smoothly in the sheath. Length:443 mm,	Pack of 50	50000

			ID:4.1 mm, OD: 4.3 ± 0.15 mm. Bundle of 50 sheaths in a sterile thick polythene pack. (ISO Certified)		
59	AIE-59	AI Thawing Monitor (Card model) Disposable	For visual temperature made of triple laminated with temperature zone of 32 - 42°c	Single	12000
60	AIE-60	Forceps for Frozen Semen Goblets 12 inches	Made of stainless steel, 12" long, suitable for lifting goblets with frozen semen straws. The tip should have grooves to grip the goblet tightly.	Single	10000
61	AIE-61	Forceps for Frozen Semen Goblets 16 inches	Made of stainless steel, 16” long, suitable for lifting goblets with frozen semen straws. The tip should have grooves to grip the goblet tightly	Single	10000
62	AIE-62	Insemination Gloves	Full arm length 36 Inch size, LDPE disposable gloves with five fingers. The thickness should be 23 ± 3 microns and above. The joints should be strong and non-leaky. The gloves should be smooth, soft and harmless to the mucus membrane of cow / buffalo and also to the inseminator’s hand. Coloured gloves in Red/Pink/Orange/Blue. (ISO Certified)	Box of 150 Gloves	1 lakh
63	AIE-63	Sheath Carrier / Sheath Container	It should be made of rigid PVC of 470 mm long, 50 mm OD and 2 mm thickness. It should be of white colour have good quality lids at both ends which can be removed easily and maintain dust proof condition inside the container	Single	10000
64	AIE-64	Aprons Gynaecology	Aprons for gynaecological work, 5 feet length & 3 feet width Thickness 10-15Microns The apron should be made of synthetic material (Rexin/rubber latex) and provided with braided cotton ends at the middle for tying	Single	10000
65	AIE-65	Aprons	Steriwear - White & Blue. Standard length with full arms, open collar with screen print name - logo, pocket, DACRON-M/LINTEX- D Fabric-Size XXL,XL & L	Single	1000
66	AIE-66	Frozen Semen Straw Lifter	SS- L shaped designed to lift semen straws with vertical serrations made at the tip	Single	500
67	AIE-67	Trollies for LN containers	Fixed with wheels and must be suitable for Jumbo 12 and TA 55 containers	Single	50

68	AIE-68	Rubber Mat for livestock	Should have non skid surface, comfortable for any size 8 feet size length 5 feet width. Simple to piece together without locking facility. high quality water proof made of sturdy and durable material which is eco friendly.	Single	1000
69	AIE-69	Rubber Mat for livestock	Should have non skid surface, comfortable for any size 8 feet size length 5 feet width. Simple to piece together with interlocking facility (Puzzle piece model) high quality water proof made of sturdy and durable material which is eco friendly.	Single	1000
70	AIE-70	Rubber Mat for livestock	Should have non skid surface, comfortable for any size 10 feet size length 6 feet width. Simple to piece together without locking facility. high quality water proof made of sturdy and durable material which is eco friendly.	Single	1000
71	AIE-71	Rubber Mat for livestock	Should have non skid surface, comfortable for any size 10 feet size length 6 feet width. Simple to piece together with interlocking facility (Puzzle piece model) high quality water proof made of sturdy and durable material which is eco friendly.	Single	1000
72	AIE-72	Digital AI gun	With LED light, video system water proof LED camera connected to an outside screen. The instrument should be able to locate the cervical O.S fast in all indigenous cattle and buffaloes with a facility for AI gun a pushable handle along the gun into cervix to a known depth. The camera and gun should be protector and should be made of washable, non corrosive components.	Single	500
73	AIE-73	Dehorning Paste for Calves	Dehorning paste for Calves to prevent horn growth, 114 gm	Single	3000
VEQ - VETERINARY EQUIPMENT					
74	VEQ-1	Absorbable Eyeless Needle Sutures 50 mm	Polyglycolic Acid Absorbable Eyeless Needle Sutures 50 mm Heavy 1/2 Circle Round Bodied Heavy, Size No.1, 100 Cm	One box of 12 foils	100
75	VEQ-2	Absorbable Eyeless Needle Sutures 50 mm	Polyglycolic Acid Absorbable Eyeless Needle Sutures 50 mm Heavy 1/2 Circle Round , Bodied Heavy,Size No.2, 100 Cm	One box of 12 foils	100

68	AIE-68	Rubber Mat for livestock	Should have non skid surface, comfortable for any size 8 feet size length 5 feet width. Simple to piece together without locking facility. high quality water proof made of sturdy and durable material which is eco friendly.	Single	1000
69	AIE-69	Rubber Mat for livestock	Should have non skid surface, comfortable for any size 8 feet size length 5 feet width. Simple to piece together with interlocking facility (Puzzle piece model) high quality water proof made of sturdy and durable material which is eco friendly.	Single	1000
70	AIE-70	Rubber Mat for livestock	Should have non skid surface, comfortable for any size 10 feet size length 6 feet width. Simple to piece together without locking facility. high quality water proof made of sturdy and durable material which is eco friendly.	Single	1000
71	AIE-71	Rubber Mat for livestock	Should have non skid surface, comfortable for any size 10 feet size length 6 feet width. Simple to piece together with interlocking facility (Puzzle piece model) high quality water proof made of sturdy and durable material which is eco friendly.	Single	1000
72	AIE-72	Digital AI gun	With LED light, video system water proof LED camera connected to an outside screen. The instrument should be able to locate the cervical O.S fast in all indigenous cattle and buffaloes with a facility for AI gun a pushable handle along the gun into cervix to a known depth. The camera and gun should be protector and should be made of washable, non corrosive components.	Single	500
73	AIE-73	Dehorning Paste for Calves	Dehorning paste for Calves to prevent horn growth, 114 gm	Single	3000
VEQ - VETERINARY EQUIPMENT					
74	VEQ-1	Absorbable Eyeless Needle Sutures 50 mm	Polyglycolic Acid Absorbable Eyeless Needle Sutures 50 mm Heavy 1/2 Circle Round Bodied Heavy, Size No.1, 100 Cm	One box of 12 foils	100
75	VEQ-2	Absorbable Eyeless Needle Sutures 50 mm	Polyglycolic Acid Absorbable Eyeless Needle Sutures 50 mm Heavy 1/2 Circle Round , Bodied Heavy,Size No.2, 100 Cm	One box of 12 foils	100

76	VEQ-3	Absorbable Eyeless Needle Sutures 50 mm	Polyglycolic Acid Absorbable Eyeless Needle Sutures 50 mm Heavy 1/2 Circle Round Bodied, Size No. 1-0,100 Cm	One box of 12 foils	100
77	VEQ-4	Absorbable Eyeless Needle Sutures 50 mm	Polyglycolic Acid Absorbable Eyeless Needle Sutures 50 mm Heavy 1/2 Circle Round Bodied, Size No. 2-0,100 Cm	One box of 12 foils	100
78	VEQ-5	Absorbable Eyeless Needle Sutures 50 mm	Size No. 2 without needle preferably 150 cm length	One box of 12 foils	100
79	VEQ-6	Absorbable Eyeless Needle Sutures 50 mm	Polyglycolic Acid Absorbable Eyeless Needle Sutures 50 mm Heavy 1/2 Circle reverse cutting Bodied Heavy,Size No.2, 100 Cm	One box of 12 foils	100
80	VEQ-7	Absorbable Eyeless Needle Sutures 50 mm	Polyglycolic Acid Absorbable Eyeless Needle Sutures 50 mm Heavy 1/2 Circle double needle Heavy, Size No.1, 180 Cm	One box of 12 foils	100
81	VEQ-8	Artery Forceps	6" SS, Straight (heavy duty)	Single	1000
82	VEQ-9	Artery Forceps	6", SS, Curved(heavy duty)	Single	1000
83	VEQ-10	Artery Forceps	8" SS, Straight (heavy duty)	Single	200
84	VEQ-11	Artery Forceps	8" SS, Curved (heavy duty)	Single	200
85	VEQ-12	Artery Forceps	10" SS, Straight	Single	200
86	VEQ-13	Artery Forceps	10'' SS, Curved	Single	200
87	VEQ-14	Automatic Drenching Gun - Cum - Vaccinator (Syringe 20 ml)	Graduated transparent plastic barrel with moulded markings. Dose easily adjustable from 1 ml to 20 ml with 1 ml increments. Standard 4" drench nozzle. Complete with leurlock adapter (for injectable use), feed tube and 2.5 ltr reservoir with graduations engraved in ml/litre. Should be light weight, aluminium body. The piston should have double silicone 'O' rings.	Single	100

88	VEQ-15	B.P. Blades Sterile	No.10 SS (BIS / As per Drug Act)	Pack of 100	500
89	VEQ-16	B.P. Blades Sterile	No.11 SS (BIS / As per Drug Act)	Pack of 100	500
90	VEQ-17	B.P. Blades Sterile	No.20 SS (BIS / As per Drug Act)	Pack of 100	500
91	VEQ-18	B.P Blades Sterile	No.21 SS (BIS / As per Drug Act)	Pack of 100	500
92	VEQ-19	B.P Blades Sterile	NO.22 SS BIS/ As per Drug Act)	Pack of 100	500
93	VEQ-20	B.P. Handle	No.3 SS (BIS / As per Drug Act)	Single	500
94	VEQ-21	B.P. Handle	No.4 SS (BIS / As per Drug Act)	Single	500
95	VEQ-22	Bandage Roll - Gauze	10cmx4mtrs (Closely Woven)	Single	1000
96	VEQ-23	Bandage Roll - Gauze	15cmx4mtrs (Closely Woven)	Single	1000
97	VEQ-24	Bandage cloth	10x10 mts (guaze tan)	Single	1000
98	VEQ-25	Antiseptic dressing pads	Chlorhexidine dressing gauze 10x10 cm, Pack of 10	Pack of 10	500
99	VEQ-26	Bone Drill - Universal	Standard SS with Chuck and key / power operated required	Single	100
100	VEQ-27	Bone holding forceps	6 inches-SS	Single	100
101	VEQ-28	Bone holding forceps	8 inches-SS	Single	100
102	VEQ-29	Buckets - SS without lid	12 Litres	Single	100
103	VEQ-30	Casting Rope	3/4" Cotton, Leather bound end. 25 ft in length	Single	100
104	VEQ-31	Casting Rope	3/4" Cotton, Leather bound end 40 ft in length	Single	100

105	VEQ-32	Castrator - Imported (Bovine)	Size 19", Castrator should be imported with Manufacturer's Logo or Trade Name for identification. It should be made of stainless steel and fitted with Castrating Forcep 48cm with one spanner in a plastic case.	Single	50
106	VEQ-33	Castrator Imported (Ovine)	Size 9", Castrator should be imported with Manufacturer's Logo or Trade Name for identification. It should be made of stainless steel. A stainless steel spanner should also be supplied for tightening the screws.	Single	50
107	VEQ-34	Clinical Thermo meter- Veterinary - Mercury	With Options for both Centigrade and Fahrenheit	Single	3000
108	VEQ-35	Clinical Thermo meter with LCD Display unbreakable plastic with flexible tip	With Options for both Centigrade and Fahrenheit. Battery operated	Single	2000
109	VEQ-36	Cotton wool (Absorbent)	400 gm net weight, interlined	Single	1000
110	VEQ-37	Dehorner Electrical	Electrical operated fixed with wooden handle;5 amp. 3 pin plug & wire both with ISI standards	Single	100
111	VEQ-38	Dehorning saw (Hack Saw)	With detachable SS blade of 30cms. Length / power operated preferred	Single	10
112	VEQ-39	Desmotomy Set	Set of BP Handle No.3 (1 No.), BP Blade No.11 (5 No.s), Groove Director (1 No.), Traumatic Needle 1/2 curved (1 No.), Nylon thread (1 No.) roll, SS Scissors both ends point 6" (1 No.) in PVC box	Single	100
113	VEQ-40	Doyens Intestinal Clamps	Straight Size 10"	Single	50
114	VEQ-41	Doyens Intestinal Clamps	Straight Size 6"	Single	50
115	VEQ-42	Dressing Forceps	6", Plain, SS (BIS - Drugs Act Specification)	Single	50
116	VEQ-43	Dressing Forceps	8", Plain, SS (BIS - Drugs Act Specification)	Single	100
11	VEQ-	Dressing Drum S.S. Seamless	Size in mm 275x132mm (IS-3831-1979)	Single	200

7	44				
118	VEQ-45	E.C.G for Dogs	Single Channel ECG, Complete digital and portable design, Vivid waveform display, Built-in rechargeable Li-ion battery, AC/DC power supply, Auto/Manual work mode selectable, Lead-off detection and display, Complete digital filtering, resisting baseline drift, AC and EMG interference, Baseline automatically adjustable to optimize printing position, High-resolution thermal printing, Input Circuit - Protection from defibrillation, Lead-Standard 7 leads, Acquisition - Single lead, A/D Resolution - 12 bits, Measurement Range - +5mVpp, Time Constraint - 3.2s, Frequency Response - 0.05Hz-150Hz, Calibration Voltage - 1m V+ 3%, Sensitivity - 2.5, 5, 10, 20 (mm/mV), Power Supply - AC:100V-115V/220V-240V, 50/50Hz - Built-in rechargeable Li-ion battery more than 3 hrs continuous work under battery supply. Display - 192x64 dots LCD. 2 years manufacturers warranty.	Single	5
119	VEQ-46	Endoscopy for Small Animals	Multi-Purpose Video endoscope-60714 PKS/NKS-Sheath-7.9 mm, Working Length - 140 cm, Working Channel- 2.8 mm, Deflection up-210 Degrees, Deflection down-100 Degrees, Left/right- 120 Degrees.Recommended instruments: for use with 60714 PKS/NKS: 60250 LT - Biopsy Forceps, oval cupped jaws, serrated, diameter 2.2 mm, working length 200 cm, 60252 LZ Grasping Forceps, serrated, with 1x2 teeth, diameter 2.3 mm, working length 200 cm, 60278 FK Foreign Body Basket, diameter 2.4 mm, length 200 cm, 60773 LA Polypectomy Snare, complete, with Handle 60773 H, large, diameter 2.4 mm, length 200 cm. with monitor, laptop and recording facility. 2 years manufacturers warranty. Irrigator and insuffalator facility with additional light source	Single	5
12	VEQ-	Endo-tracheal Tube with Cuff	Size 6,"	Single	50

0	47	Disposable			
121	VEQ-48	Endo-tracheal Tube with Cuff Disposable	Size 7 "	Single	50
122	VEQ-49	Endo-tracheal Tube with Cuff Disposable	Size 8"	Single	50
123	VEQ-50	Endo-tracheal Tube with Cuff Disposable	Size 3"	Single	50
124	VEQ-51	Endo-tracheal Tube with Cuff Disposable	Size 3.5 "	Single	50
125	VEQ-52	Endo-tracheal Tube with Cuff Disposable	Size 4 "	Single	50
126	VEQ-53	Endo-tracheal Tube with Cuff Disposable	Size 4.5''	Single	50
127	VEQ-54	Endo-tracheal Tube with Cuff Disposable	Size 5 "	Single	50
128	VEQ-55	Endo-tracheal Tube with Cuff Disposable	Size 5.5"	Single	50
129	VEQ-56	Feeding Cup	S.S, 250 ml	Single	1000
130	VEQ-57	Metal detector	light weight - made of non-corrosive material , circular coil dimension - 20 to 30 cm with LED display , operating temperature -20 to + 55 degrees Celsius. Should be able to differentially detect to detonators placed at 1 feet apart. Visual as well audio signal , volume control , sensitivity control. , with batteries, operational life 8 yrs, warranty should be two years.	Single	200
131	VEQ-58	Forceps 4"inch blunt ends	4" inch, with blunt ends with serrations, stainless steel for Histology	Single	50
132	VEQ-59	Forceps 4" inch pointed ends	4" inch, with pointed ends, stainless steel for Histology	Single	50
133	VEQ-60	Forceps Thumb Rat toothed	8", SS, Rat Toothed (2 over one)	Single	100
134	VEQ-61	Forceps Thumb Rat toothed	6", SS, Rat Toothed (2 over one)	Single	100

135	VEQ-62	Forceps Tissue 10''	10" Size, Alley's (4 Over 3) use babcocks instead of alleys	Single	100
136	VEQ-63	Forceps Tissue 6''	6" Size, Alley's (4 Over 3)	Single	100
137	VEQ-64	Forceps Tissue- 8''	8" size, Alley's (5 Over 4)	Single	100
138	VEQ-65	Forceps - Curved-Serrated tip	5 1/2" Paddle handle, curved, serrated tip, Stainless Steel, for Histology	Single	100
139	VEQ-66	Forceps - Curved-Smooth tip	5 1/2" Paddle handle, curved, smooth tip, Stainless Steel, for Histology	Single	100
140	VEQ-67	Forceps - Straight-Serrated tip	5 1/2" Paddle handle, straight, serrated tip, Stainless Steel, for Histology	Single	100
141	VEQ-68	Forceps - Straight-Smooth tip	5 1/2" Paddle handle, straight, smooth tip, Stainless Steel, for Histology	Single	100
142	VEQ-69	Forceps Curved	4 1/2'' heat resistant forceps, Stainless Steel	Single	100
143	VEQ-70	Forceps -Sraight-Neddle tip	5 1/2" Paddle handle, straight, needle tip, Stainless Steel for Histology	Single	100
144	VEQ-71	Forceps Thumb Plain	8" SS	Single	100
145	VEQ-72	Forceps Thumb Plain	6 " SS	Single	100
146	VEQ-73	Gloves Obstetrical	22" Length, Latex Full Armed	Single	250
147	VEQ-74	Hydraulic Surgery and Examination Table for Small Animals	Complete SS make, Tilt-Top mechanism, 20''×60''×36'' (W×L×H), 150 kg weight bearing capacity, Tie down & duplex electric outlet, Hydraulic operated smooth lowering & lifting function, Heavy duty 220V AC, Adjustable floor glides, Four heavy duty swivel casters with brakes, Waterproof casing hydraulic system, SS hydraulic lines, Several drain holes with felt cushion	Single	25
148	VEQ-75	Ice Box with Lid	5 Lit. Capacity to store biologicals with BIS Specifications	Single	1000
14	VEQ-	Ice Box with Lid	20 Lit. Capacity to store biologicals with BIS	Single	1000

9	76		Specifications		
150	VEQ-77	Instrument cabinet	Height 5",width 3", depth 1.5" excluding 4"pedestal with height adjustment leveler. Welded construction with Virgin CRCA steel sheet of 0.8mm thickness backside & sides and door frames & 0.9mm thickness CRCA for all other components.Transparent acrylic sheet paneling on sides and front doors. 4 no 8mm thickness toughtened glass adjustable shelves. All surfaces epoxy powder coated to the thickness of 50 microns ±10 (as per IS 13871) with phosphate treated pre finish (as per IS 3618)	Single	100
151	VEQ-78	Instrument Tray S.S. Seamless without Lid with stand	Size in mm - 480x330x19; Size in inches - 19x13x3/4 with provision for height adjustment	Single	100
152	VEQ-79	Instrument Tray with Lid S.S.	Size in mm - 310x 195 x 63,	Single	100
153	VEQ-80	Instrument Trolley	SS Top, Wheel type Railings around Standard Size with castors with drawers	Single	100
154	VEQ-81	Instruments Sterilizer	Instruments Sterilizer S.S. Seamless Table Model, Size in Inches 12''X6''X5'' Small, (With Thermo Stat) extra filament shall be supplied	Single	500
155	VEQ-82	Intravenous Set complete with hypodermic 18 G (1.5") needle	Intravenous Set complete with needle (18 G) made up of PVC Material tested for Biocompatability as per IS (Disposable type Each)	Single	3000
156	VEQ-83	Infrared lamp with bulb	150W, HP 3616/01 adjustability: 0- 40 Degree (IEC certified)	Single	100
157	VEQ-84	Irrigator Can with Tubing	Irrigator (Douch Can) SS with PVC or Rubber tube, Capacity 1.5 litre. With Handle, Hook and Nipple	Single	100
158	VEQ-85	Irrigator Can Tube 3 meters	Three meters length made of PVC or Rubber tube with rounded ends.	Single	100
159	VEQ-86	Kidney Tray	Kidney Tray S.S. As per IS 3992-1982 (Heavy Quality) Size: 6"	Single	1000
160	VEQ-87	Kidney Tray	Kidney Tray S.S. As per IS 3992-1982 (Heavy Quality) Size: 8"	Single	1000
161	VEQ-88	Kidney Tray	Kidney Tray S.S. As per IS 3992-1982 (Heavy Quality) Size: 10"	Single	1000

162	VEQ-89	Kidney Tray	Kidney Tray S.S. As per IS 3992-1982 (Heavy Quality) Size:12"	Single	1000
163	VEQ-90	K-Wire	1 mm	Single	100
164	VEQ-91	K-Wire	1.5mm	Single	100
165	VEQ-92	K-Wire	2mm	Single	100
166	VEQ-93	K-Wire	2.5mm	Single	100
167	VEQ-94	Laryngoscope with light (Battery operated)	With 3 different size Blade suitable for Large and Small dogs	Single	50
168	VEQ-95	Mayo Trolley	SS Body with Castors	Single	50
169	VEQ-96	Mosquito Forceps	4", Size, SS, Halstead Curved	Single	50
170	VEQ-97	Mosquito Forceps	5", Size, SS, Halstead Curved	Single	50
171	VEQ-98	Mouth Gag for Cattle	Christophers Mouth Gag, SS, Screw type Butlers mouth gag	Single	50
172	VEQ-99	Mouth Gag for Canine	Mouth gag for Canines, SS, Standard	Single	50
173	VEQ-100	Nail cutter with Cutting edges for Dogs	4'', SS, scissors type	Single	50
174	VEQ-101	Nail cutter with Cutting edges for Dogs	8'', SS, scissors type	Single	50
175	VEQ-102	Needle Destroyer	Power operated as per ISI specifications,Minimum 3 years manufacturer's warranty	Single	50
176	VEQ-103	Needle Holding Forceps	6", SS, Straight box joint Type, Olsen Hegar	Single	100
177	VEQ-104	Needle Holding Forceps	8", SS, Straight box joint Type, Olsen Hegar	Single	100
178	VEQ-105	Needle Suturing with Eye	Colt's Tension needle	Pack of 6	100

179	VEQ-106	Needle Suturing with Eye	1 mm - 2", Traumatic SS, Curved	Pack of 6	100
180	VEQ-107	Needle Suturing with Eye	1 mm ", 2", Atraumatic curved. SS	Pack of 6	100
181	VEQ-108	Needle Suturing with Eye	Atraumatic, half curved, 1 mm - 1 1/2 ", SS	Pack of 6	100
182	VEQ-109	Needle Suturing with Eye	Atraumatic, half curved, 1 mm - 2", SS	Pack of 6	100
183	VEQ-110	Needle Suturing with Eye	1 mm - 1 1/2 " Traumatic straight, SS	Pack of 6	100
184	VEQ-111	Needle Suturing with Eye	1 mm - 2", Traumatic straight, SS	Pack of 6	100
185	VEQ-112	Needle Suturing with Eye	1 mm - 2 1/2" Traumatic straight, SS	Pack of 6	100
186	VEQ-113	Needle Suturing with Eye	Holm's needle	Pack of 6	100
187	VEQ-114	Non-Absorbable Eyeless Needled Sutures	Monofilament Polypropylene Non-Absorbable Eyeless Needled Sutures (30 mm Heavy) 1/2 Circle. No.1 Size: 90cm (12 Foils) traumatic needle	Pack of 12	100
188	VEQ-115	Non-Absorbable Eyeless Needled Sutures	Monofilament Polypropylene Non-Absorbable Eyeless Needled Sutures, 1/2 Circle. No.2 Size: 90cm (12 Foils), traumatic needle	Pack of 12	100
189	VEQ-116	Non-Absorbable Eyeless Needled Sutures	Monofilament Polypropylene Non-Absorbable Eyeless Needled Sutures, 1/2 Circle. No.1-0 Size: 90cm (12 Foils), traumatic needle	Pack of 12	100
190	VEQ-117	Nylon (Monofilament), Non- Absorbable	No.2 Roll, 1	Single	100
191	VEQ-118	Nylon (Monofilament), Non- Absorbable	No.2 Roll, 1-0	Single	100
192	VEQ-119	Nylon (Monofilament), Non- Absorbable	No. 3 Roll, 1	Single	100
193	VEQ-120	Nylon (Monofilament), Non- Absorbable	No. 3 Roll, 1-0	Single	100
19	VEQ-	Orthopedic wire tightner	5 '' wire cutter and twister	Single	50

4	121				
195	VEQ-122	Pestle & Mortar	500 ml Porcelain	Single	500
196	VEQ-123	Pestle & Mortar	1 Lit. Porcelain	Single	500
197	VEQ-124	Pin Cutter	Stainless Steel Make for cutting steinmann pins 2 Up to 6 mm sized pin	Single	50
198	VEQ-125	Plaster of Paris Bandage	2.7 mtrs x10 cms- ISI standards	Single	1000
199	VEQ-126	Plaster of Paris Bandage	2.7 mtrs x15 cms- ISI standards	Single	1000
200	VEQ-127	Fiber Glass cast	3 inches, 6 inches	Single	1000
201	VEQ-128	Poly Glycolic Acid, Synthetic Absorbable	Poly Glycolic Acid, Synthetic Absorbable (PGA Sutures) With Needle, 50mm Heavy 1/2 Circle Round Body, Length:100 Cm, Size: 2	Box of 12 Foils	50
202	VEQ-129	Poly Glycolic Acid, Synthetic Absorbable	Poly Glycolic Acid, Synthetic Absorbable (PGA Sutures) With Needle, 50mm Heavy 1/2 Circle Round Body, Length:100 Cm, Size: 1	Box of 12 Foils	50
203	VEQ-130	Poly Glycolic Acid, Synthetic Absorbable	Poly Glycolic Acid, Synthetic Absorbable (PGA Sutures) With Needle, 50mm Heavy 1/2 Circle Round Body, Length:100 Cm, Size: 1-0	Box of 12 Foils	50
204	VEQ-131	Poly Glycolic Acid, Synthetic Absorbable	Poly Glycolic Acid, Synthetic Absorbable (PGA Sutures) With Needle, 50mm Heavy 1/2 Circle Round Body, Length:100 Cm, Size: 2-0	Box of 12 Foils	50
205	VEQ-132	Poly Glycolic Acid, Synthetic Absorbable	Poly Glycolic Acid, Synthetic Absorbable (PGA Sutures) With Needle, 50mm Heavy 1/2 Circle Round Body, Length:100 Cm, Size: 3-0	Box of 12 Foils	50
206	VEQ-133	Polyglactin	Polyglactin, Synthetic Absorbable (Sutures) With Needle, 50mm Heavy 1/2 Circle Round Body, Length:100 Cm, Size: 2	Box of 12 Foils	50
207	VEQ-134	Polyglactin	Polyglactin, Synthetic Absorbable (Sutures) With Needle, 50mm Heavy 1/2 Circle Round Body, Length:100 Cm, Size: 1-0	Box of 12 Foils	50

208	VEQ-135	Polyglactin	Polyglactin, Synthetic Absorbable (Sutures) With Needle, 50mm Heavy 1/2 Circle Round Body, Length:100 Cm, Size: 1	Box of 12 Foils	50
209	VEQ-136	Polyglactin	Polyglactin, Synthetic Absorbable (Sutures) With Needle, 50mm Heavy 1/2 Circle Round Body, Length:100 Cm, Size: 2-0	Box of 12 Foils	50
210	VEQ-137	Polyglactin	Polyglactin, Synthetic Absorbable (Sutures) With Needle, 50mm Heavy 1/2 Circle Round Body, Length:100 Cm, Size: 3-0	Box of 12 Foils	50
211	VEQ-138	Polyamide Non-absorbable	Suture material size 2/0	Single	50
212	VEQ-139	Polyamide Non-absorbable	Suture material size 1/0	Single	50
213	VEQ-140	Polyamide Non-absorbable	Suture material size 1	Single	50
214	VEQ-141	Polyamide Non-absorbable	Suture material size 2	Single	50
215	VEQ-142	Polyamide Non-absorbable	Suture material size 3	Single	50
216	VEQ-143	Probang (Stomach Tube for Cattle)	Flexible stomach tube for cattle with BIS standards with steel ends length 2 mts required	Single	50
217	VEQ-144	Probang (Stomach Tube for Cattle)	Flexible stomach tube for cattle with BIS standards with steel ends length 3 mts required	Single	50
218	VEQ-145	Probang (Stomach Tube for Cattle)	Flexible stomach tube for cattle with BIS standards with steel ends length 4mts required	Single	50
219	VEQ-146	Probe Metal	8'' Size.S.S	Single	50
220	VEQ-147	Rubber Sheeting	1.0 x 3 mtrs, Heavy	Single	50
221	VEQ-148	Saline Stand	SS with stable heavy base with adjustable height	Single	100
222	VEQ-149	Scalp vein set- Sterile Disposable	20 Gauge	Pack of 100	100
22	VEQ-	Scalp vein set- Sterile Disposable	21Gauge	Pack of	100

3	150			100	
224	VEQ-151	Scalp vein set- Sterile Disposable	22 Gauge	Pack of 100	100
225	VEQ-152	Scalp vein set- Sterile Disposable	24 Gauge	Pack of 100	100
226	VEQ-153	Scissors Curved	6'', SS, One end Sharp / One end Blunt	Single	500
227	VEQ-154	Scissors Curved	8'', SS, One end Sharp / One end Blunt	Single	500
228	VEQ-155	Scissors dissecting (Metzenbaum type)	8'', SS Curved, both ends Blunt	Single	500
229	VEQ-156	Scissors dissecting (Metzenbaum type)	6'', SS Curved, both ends Blunt	Single	500
230	VEQ-157	Scissors for Hair clipping	8'' Straight, carbon steel	Single	500
231	VEQ-158	Scissors Straight 6'' both ends pointed	6'', SS, both ends pointed	Single	500
232	VEQ-159	Scissors Straight 6'' both ends blunt	6'', SS, both ends blunt	Single	500
233	VEQ-160	Scissors Straight 6'' One end pointed and One end Blunt	6'', SS, One end pointed and One end Blunt	Single	500
234	VEQ-161	Scissors Straight 8" both ends blunt	8'', SS, both ends blunt	Single	500
235	VEQ-162	Scissors Straight 8" both ends pointed	8'', SS, both ends pointed	Single	500
236	VEQ-163	Scissors Straight 8"one end pointed & one end blunt	8'', SS, One end Blunt and other end Pointed	Single	500
237	VEQ-164	Scissors Straight 10" both end pointed	10" SS both ends pointed	Single	500
238	VEQ-165	Scoop small	6'' Size, SS	Single	100
239	VEQ-166	Veterinary Shadowless lamp Stand Model (with set of spare bulbs)	Excellent cold light:adopting LED as light source,without temperature rising. Excellent daylight quality and CRI	Single	2

			meet the illumination needs of the doctors. Excellent lighting effect:unique optical system,homogenous light spot,high-definition. Brightness Adjustment:Micro computer digital control,with 8 shifts luminance for selection and it offers illuminance memory function and wide voltage working speciality. Long service life:LED life is up to 30,000 hours. Energy saving and environment-friendly. Flexible and stable balance arm suspension system contents various requirement on height and angle. Illuminance: 100,000 Lux, Color temperature: 4800±200K, Color reduction index: 96, Total irradiance: 420W/m2, Spot diameter: 120-240mm, Illuminance depth: 1050 mm, lamp head diameter: 550mm, Rated power of bulb: 3.2v/1w, LED Service life of illuminant: 30,000 hrs		
240	VEQ-167	Shadowless lamp Modular in operation theatre (with set of spare bulbs)	Veterinary Ceiling LED Shadowless Operating Lamp. Ceiling LED medical vet shadowless lamp features: bright, low temperature, no shadow, soft light, convenient disinfection lamp body design. • Power supply voltage: 220V/50HZ, • Input power: 150W, • Color temperature: 4000 + - 500k. • Illumination: 50000LX • Bulb: 25*5W Illumination Ec at 1 working distance (Bet-6 / Mobile Beta-6) 120,000Lux (Beta 6+6) 1,20,000 + 1,20,000 Lux, Focusable light field size d10 at 1 m distance, 150-300mm	Single	2
241	VEQ-168	Silk thread reel (Black braided)	Size No.1x25m length	Single	100
242	VEQ-169	Silk thread reel (Black braided)	Size No.2x25m length	Single	100
243	VEQ-170	Silk thread reel (Black braided)	Size No.3x25m length	Single	100
24	VEQ-	Small animal examination table	2x4x3 feet heavy SS top, non rusty 4 years	Single	100

4	171		manufacturer's replacement warranty with central or eccentric receptacle for drainage of fluid		
245	VEQ-172	Spatula	SS body with wooden handle 8"	Single	20
246	VEQ-173	Steinmann Pins (with one end bevelled tip and one end thread ------ pins with both ends pointed)	3mm (each 12" length with double trocar)	Single	20
247	VEQ-174	Steinmann Pins (with one end bevelled tip and one end thread ------ pins with both ends pointed)	3.5mm (each 12" length with double trocar)	Single	20
248	VEQ-175	Steinmann Pins (with one end bevelled tip and one end thread ------ pins with both ends pointed)	4mm (each 12" length with double trocar)	Single	20
249	VEQ-176	Steinmann Pins (with one end bevelled tip and one end thread ------ pins with both ends pointed)	4.5mm (each 12" length with double trocar)	Single	20
250	VEQ-177	Steinmann Pins (with one end bevelled tip and one end thread ------ pins with both ends pointed)	5mm (each 12" length with double trocar)	Single	20
251	VEQ-178	Steinmann Pins (with one end bevelled tip and one end thread ------ pins with both ends pointed)	5.5mm (each 12" length with double trocar)	Single	20
252	VEQ-179	Steinmann Pins (with one end bevelled tip and one end thread ------ pins with both ends pointed)	6mm (each 12" length with double trocar)	Single	20
253	VEQ-180	Sterile Disposable surgical drapes	Plastic: 2ft x 2ft	Single	500
254	VEQ-181	Sterile Disposable surgical drapes	Plastic: 4ft x 6ft	Single	500
255	VEQ-182	Stetho scope	An ISO 9001-2008. Aluminium anodized chest piece with special diaphragm light weight compact and dual frequency seamless PVC tubing in different colors, Brass chrome plated concealed frame and soft ear knobs maximium sound conduction quality.	Single	500

256	VEQ-183	Surgical Diathermy unit	With mono polar and bi-polar leads; Blend, Cutting, Coagulation controls Size :310 (L)x 280 (w)x150 (H), Input Supply : 230V AC , E-Light 200 watts	Single	20
257	VEQ-184	Suturing needles with eye	Traumatic with cutting edge half circle 1/2 No: 1	Pack of 10	20
258	VEQ-185	Suturing needles with eye	Traumatic with cutting edge half circle 1/2 No: 2	Pack of 10	20
259	VEQ-186	Suturing needles with eye	Traumatic with cutting edge half circle 1/2 No: 3	Pack of 10	20
260	VEQ-187	Suturing needles with eye	Traumatic with cutting edge half circle 1/2 No: 4	Pack of 10	20
261	VEQ-188	Suturing needles with eye	Traumatic with cutting edge half circle 1/2 No: 7	Pack of 10	20
262	VEQ-189	Suturing needles with eye	Traumatic with cutting edge half circle 1/2 No: 8	Pack of 10	20
263	VEQ-190	Suturing needles with eye	Traumatic with cutting edge half circle 1/2 No: 9	Pack of 10	20
264	VEQ-191	Suturing needles with eye	Traumatic with cutting edge 3/8 circle No: 1	Pack of 10	20
265	VEQ-192	Suturing needles with eye	Traumatic with cutting edge 3/8 circle No: 2	Pack of 10	20
266	VEQ-193	Suturing needles with eye	Traumatic with cutting edge 3/8 circle No: 3	Pack of 10	20
267	VEQ-194	Suturing needles with eye	Traumatic with cutting edge 3/8 circle No: 4	Pack of 10	20
268	VEQ-195	Suturing needles with eye	Traumatic with cutting edge 3/8 circle No: 7	Pack of 10	20
269	VEQ-196	Suturing needles with eye	Traumatic with cutting edge 3/8 circle No: 8	Pack of 10	20
270	VEQ-197	Suturing needles with eye	Traumatic with cutting edge 3/8 circle No: 9	Pack of 10	20
271	VEQ-198	Suturing needles with eye	Traumatic needle staright No: 1	Pack of 10	20
27	VEQ-	Suturing needles with eye	Traumatic needle staright No: 2	Pack of	20

2	199			10	
273	VEQ-200	Suturing needles with eye	Traumatic needle staright No: 3	Pack of 10	20
274	VEQ-201	Suturing needles with eye	Traumatic needle staright No: 4	Pack of 10	20
275	VEQ-202	Suturing needles with eye	Atraumatic, round bodied half circle 1/2 , No: 1	Pack of 10	20
276	VEQ-203	Suturing needles with eye	Atraumatic, round bodied half circle 1/2 , No: 2	Pack of 10	20
277	VEQ-204	Suturing needles with eye	Atraumatic, round bodied half circle 1/2 , No: 3	Pack of 10	20
278	VEQ-205	Suturing needles with eye	Atraumatic, round bodied half circle 1/2 , No: 4	Pack of 10	20
279	VEQ-206	Suturing needles with eye	Atraumatic, round bodied, 3/8 circle No: 1	Pack of 10	20
280	VEQ-207	Suturing needles with eye	Atraumatic, round bodied, 3/8 circle No: 2	Pack of 10	20
281	VEQ-208	Suturing needles with eye	Atraumatic, round bodied, 3/8 circle No: 3	Pack of 10	20
282	VEQ-209	Suturing needles with eye	Atraumatic, round bodied, 3/8 circle No: 4	Pack of 10	20
283	VEQ-210	Suturing needles with eye	Atraumatic needle Straight No:1	Pack of 10	20
284	VEQ-211	Suturing needles with eye	Atraumatic needle Straight No:2	Pack of 10	20
285	VEQ-212	Suturing needles with eye	Atraumatic needle Straight No:3	Pack of 10	20
286	VEQ-213	Suturing needles with eye	Atraumatic needle Straight No:4	Pack of 10	20
287	VEQ-214	Surgical Tray with lid S.S	Surgical Tray with lid S.S. Seamless (IS-3993-1982) Size in mm 200 X150 mm	Single	200
288	VEQ-215	Suture removal scissors	SS, 6''	Single	20
28	VEQ-	Needles Disposable	Hypodermic Plastic mounted, Sizes: 16 G, - 1.5 inch	Pack of	1000

9	216		length; Luer mount	100	
290	VEQ-217	Needles Disposable	Hypodermic Plastic mounted, Sizes: 18 G - 1.5 inch length; Luer mount	Pack of 100	1000
291	VEQ-218	Needles Disposable	Hypodermic Plastic mounted, Sizes: 20 G - 1.0 inch length; Luer mount	Pack of 100	1000
292	VEQ-219	Needles Disposable	Hypodermic Plastic mounted, Sizes: 22 G - 1.0 inch length; Luer mount	Pack of 100	1000
293	VEQ-220	Needles Disposable	Hypodermic Plastic mounted, Sizes: 24 G - 1.0 inch length; Luer mount	Pack of 100	1000
294	VEQ-221	Syringe Disposable 10 ml with needle	10 ml (As per Drug Act. Specification) with 22 GX 1.5" needle	Pack of 100	1000
295	VEQ-222	Syringe Disposable 5 ml with needle	5 ml (As per Drug Act. Specification) with 22 GX1.5" needle	Pack of 100	1500
296	VEQ-223	Syringe Disposable 2 ml with needle	2 ml (As per Drug Act.Specification) with 22 G needle X1.0”	Pack of 100	1000
297	VEQ-224	Syringe Disposable 1ml with Needle	1 ml with needle, 24 G	Pack of 100	1000
298	VEQ-225	Syringe Disposable 20 ml without needle	20 ml (As per Drug Act. Specification) without needle	Single	1500
299	VEQ-226	Syringe Insulin (40 Units) Disposable with needle	40 units Insulin Syringe, Leur mount with 22 Gauge, 1" needle, leur lock, 100/box	100/Box	1000
300	VEQ-227	Spinal Needles	4'' long SS, 16G	Single	50
301	VEQ-228	Spinal Needles	6'' long SS, 16G	Single	50
302	VEQ-229	Spinal Needles	4'' long SS, 18G	Single	50
303	VEQ-230	Spinal Needles	6'' long SS, 18G	Single	50
304	VEQ-231	Speculum Eye	For Bovines	Single	25
305	VEQ-232	Vaginal Speculum- Bovines	For Bovines	Single	100
30	VEQ-	Vaginal Speculum- Sheep & Goat	For Sheep & goat	Single	100

6	233				
307	VEQ-234	Tape Adhesive Zinc Oxide	Tape Adhesive Zinc Oxide 10 Cms X 10 Mts	Single	1000
308	VEQ-235	Teat instrument kit	Set of-Sharp point probe SS 14cm, McLean Lancet SS 17cm, Pappilotome SS 12/18cm, Hudson's teat Dilator straight handle-1, Thandle- 1, Hug tumor extractor(to be removed)- teat tumour extractor with one ring ST 16 (to be included) Milking tube SS 8 cm -in a plastic box	Single	100
309	VEQ-236	Tooth rasp set	Tooth rasper dimensions and standards shall conform to Bureau of Indian Standards IS 12243-1988 Reaffirmed 2010.	Single	100
310	VEQ-237	Molar Tooth cutter	Molar Tooth cutter (Danish pattern) stainles steel heavy metal	Single	100
311	VEQ-238	T-Handle set for Wire Saw	Stainless Steel as per BIS specification	Single	100
312	VEQ-239	Thermos Flask SS	Capacity 1 Litre Both inside and outside should be made of stainless steel. A carry bag with straps should be provided for carrying the flask.	Single	100
313	VEQ-240	Towel Clip	Towel clip, 8 cm, SS	Single	200
314	VEQ-241	Trocar and cannula for Large Animals	SS triple beveled, conical section, Luer with standard Metal Hub with matched stylet and adapters.	Single unit	100
315	VEQ-242	Trocar and cannula for Small Animals	SS triple beveled, conical section , Luer with standard Metal Hub with matched stylet and adapters.	Single unit	100
316	VEQ-243	Vaccine Carrier Box	Large Vaccine carrier vaccine storage capacity 1.6 lts. Wt. Fully loaded 4.2 kgs wt. Empty 2.2 kgs External surface material HDPE (1) Internal Lining material HIPS (2) Insulation material - CFC free poly urethane Insulation thickness 35/40 mm External dimensions	Single	1000
317	VEQ-244	Wash Basin S.S.Heavy Quality	12 inches Dia, with 3 1/2 feet height stand of heavy gauze & provision for soap rack	Single	500
318	VEQ-245	Wool Shearing Machine (Power Operated)	220V. The On-Off switch should be operational with the thumb. It should be plugged in directly without adapter /transformer. The machine should be packed in a	Single	50

			suitable carrying case with necessary accessories		
319	VEQ-246	Surgical Kit	Standard size Artery Forceps-6 No's, Alleys tissue forceps-6 No's, BP handle 3/4 , Thumb forceps- plain and rat toothed, 6", Scissors- pointed and blunt, straight 6 & 8 ", Needle holder, Suture removing scissors, Groove Director , Suture needles size 1,2,3 8,9,10, half circle 50 mm	Single	50
320	VEQ-247	Medicine Storage Cabinet (Steel Shelve)	Size 916 mm width, 486 mm depth,1980 mm Height, ± 5mm including 4"pedestal with height adjustment leveler. Construction with virgin CRCA Steel Sheets of 0.8mm thickness for backside & shelves 0.8 mm thickness HSCR sheet for doors & 0.9 mm thickness CRCA for all other components, one locker compartment & four open compartments with adjustable shelves. net wt:73kg ± 2kg, finish: all surface epoxy powder coated to the thickness of 50 microns ±10 (as per IS 13871) with phosphate treated pre finish (as per IS 3618)	Single	1000
321	VEQ-248	Magnifying lens - Hand held	With light source, AA Battery operated,	Single	20
322	VEQ-249	Revolving Stool (Adjustable)	SS Complete, 304 L Grade, non rusty 4 years manufacturer's replacement warranty	Single	300
323	VEQ-250	Refrigerator-200 Lit	200 Litres capacity with three adjustable rust proof shelves with Toughened glass shelves. Providing additional space instead of Egg tray, along with double booster stabilizer, with inverter technology based compressor, 3 Star, Moist balance crisper, Fastest ice tray, 10 years manufacturer's warranty on compressor and 2 years on product	Single	100
324	VEQ-251	Refrigerator-Double Door 310 Lit	Double door Refrigerator-with Auto defrost, Energy efficient, less noise & more durable smart inverter compressor with 10 year warranty, 310 Lit capacity with adjustable 5 rust proof shelves Shelf with Toughened Glass to withstand the weight of heaviest vessels, ice beam door cooling feature, 4 star rating, Product along	Single	100

			with double booster 2 kv stabilizer. 3 years full spare parts warranty		
325	VEQ-252	Refrigerator-394 Lit	Double door Refrigerator-with Auto defrost, Energy efficient, less noise & more durable inverter compressor with 10 years warranty, 394 Lit capacity with adjustable 5 rustproof shelves Shelf with Toughened Glass to withstand the weight of heaviest vessels, 3 star rating, Product along with double booster 2 KV stabilizer. 2 years on product warranty, All round cooling feature.	Single	25
326	VEQ-253	Postmortem set	(1) Cartilage Knife 4.5" 1pC; (2) Amputation Knife 8" 1pC; (3) Brain Knife 10" 1pC; (4) Bowl Scissor 1pc; (5) Post Mortem Scissor 1 pc; (6) Allise Tissue Forcep 2X3 Teeth 1 pc; (7) Disecting Forcep 8" 1 pc; (8) Mallet Round 1 pc; (9) Chisel 8½" X3/4" 1pc; (10) Chisel 8½" X1" 1pc; (11) Chisel 8½" X1¼" 1pc; (12) Spine Wrench 1pc; (13) Bone cutting Scissor 1pc; (14) Steel Tape (3 meter) 1pc; (15) Amputation Saw 12" 1pc; (16) Pipe Saw 12" 1 pc; (17)Blow pipe 10" 1pc; (18) Retractor -4 Prong 2 pcs; (19) Probe 6"/8" 2 pcs; (20) Bone Holding 12" 1pc.	Single	10
327	VEQ-254	Rumenotomy set Weingarth	With 4 modified vullsellum forcep, 6 hook and frame, thumb screw SS in each set	Single	10
328	VEQ-255	Ice Line Refrigerator and Freezer	Vaccine storage capacity: 60 to 75 lit, Ice pack freezer capacity 25 to 35 lit, Cold life without power supply: above 40 hrs. Capacity of ice pack storage - 25 to 40 of 0.5 to 0.6 lit capacity. Two lockable lid with four catches with silicon gasket for tight sealing. Four wire basket for an optimum storage. Outer and Interior material-Polythene. Insulation- Polyurethane. Insulation thickness-100 to 125 ml, Voltage:220-240 VAC 50/60Hz, Refrigerant- R134 a or R600, Ice lining-20 to 25 ice packs of 0.6 lit which act as ice bank during power cuts and Aluminum removable inner liner to protect the Ice pack with 2KVA Stabilizer.	Single	100
32	VEQ-	Ultrasound scanner Veterinary	Portable Display mode: B, B/B, B/M, M colour doppler -	Single	5

9	256		Probe type- linear, curvilinear, micro convex, phased array(cardiac) Probe Frequency; 2.5 MHz-7.5 9.5 MHz . Minimum 3 years onsite warranty -Veterinary specific software with storage backup and printer facility.		
330	VEQ-257	C-ARM for Orthopaedic Surgeries with compatible Surgical Table	Imaging system: Image intensifier tube with Power supply unit 9" (230 mm) Triple field (very high resolution) X-Ray Round Grid 9"-8:1, 103 LPICCD CAMERA-1/2"B/W CCD camera of very high resolution with special lens, CCIR standard - 625 lines, Monitors (2 Nos) with minimum of 17" monitors of high resolution mounted on a Mobile Trolley C-ARM MOBILE STAND: Rotation (180 degrees), Motorized Up/Down, Horizontal travel, Arc orbital movement Wig Wag. High Frequency X-Ray Generator:40 KHz high frequency, Dual focal Anode with Collimator Max voltage 120 KV, Fluoroscopic mA (Normal mode) 0.1 to 5mA, Mains Voltage 230 V AC +/- 10%. 50Hz, Max. output power 6 KW. Fluoro & Rad. Mode selection Technique. An inbuilt Radiographic Timer, 5 minutes cumlative Fluroscopic Timer with Buzzer. Monoblock Temperature Sensor, Self diagnostics for sequence of Machine operation & highlighting any errors. Voltage Stabilier zand Automotic Brightness Control. Digital Imaze memory system-100 Frame memory with desirable features of LIVE/PULSE/LIH, Averazing 1 to 16 frame, Contrast enhancement function, Temporary & Permanent storage upto 100 frame, negative image, ,feature, Zoom(x2 & x3), zMirror feature, Image rotation, PEN DRIVE provision, keeping date & time and PC connectivity through LAN port. Table for C-ARM USE in Orthopaedics: Adjustable three motion table with Radiolucent Top Compatible for C-ARM use. Lead APRON and Lead Gloves: 4 Nos Aprons and 2 pairs Gloves. CR system: Contrast resolution / Grayscale resolution -16 bits / pixes . Work station with Image	Single	5

			processing software: Veterinary applications are mandatory. Printer / Image: Dry Imager with more than 300 dpi resolution. Latest Generation Fully Beam former. Convex / Linear / Phased Array / Endocavity 19" Fully Flat high resolution strain free TFT color monitor with tilt facility 2D, Dual 2D & M-mode Split and Full, 2D-CFM, Tissue Enhancement facility Convex, Linear, Endocavity and cardiac. High sensitive CW/PW/HPRF Doppler. High resolution and sensitive color Doppler with high frame rate Power Doppler and Directional Power Doppler. Cine Loop and scroll facility, real time storage of Clips & Still Images.Storage Media - Internal Hard Disk / USB Pen drive and Direct CD writer, and DVD reader. Bio-Lab Data Management for workflow management. Direct connection to Ink Jet printer or Laser Printer. Transducers: Convex probe (2-7 MHz) for abdominal equine & tendon scan-1. Microscope: Stand should be heavy weight H-shape base on lockable castor wheels. Swivel arm mounted on pillar. Bionacular Tube: Inclined, f70mm focl length APO chromotic Mognchnger: 0.4x0.63x1.6 & 2.5x Eye piece: WF 10x/16mm with eye gurds. Common mn objectve (CMO):f200mm wth motorized fine focus. Built-in-Fil,zters:Green & Blue&Vertical, movement:600mm Points of Articulation :Swivel , Suspension (XYZ), Microscope. All points of articulation are locable. Microscope mount: Motorized carrier. Packagecontents: Tools for Securing base and pillar, Sterilizable knob covers & Nylon dust cover.		
331	VEQ-258	Ultrasonography Unit With Color Doppler For Veterinary Applications with Vety Cardiology software with printer facility with US guided biopsy facility	Ultrasound and Color Doppler System capable of performing whole body imagine applications like Abdominal, Obstetrics & Gynecology, 3D/4D, Cardiac, Vascular, musculoskeletal applications in large and small animals.System Features: System should function	Single	2

			with the following modes 2D, M-Mode, PW, CW, Color Flow Imaging, Color Power Angio & Tissue Harmonic Imaging. Color compare, Color / Color Power and normal grayscale mode. Should be available side-by-side or equivalent. Digital Processing Channels Minimum 100000 Digital Channels. Grayscales 256 shades of Gray Scales. Advanced image processing algorithms for improved image quality to analyze between targets & artifacts, sharpen target anatomy and reduce speckle & artifacts. System must have real time multiline compounding imaging with minimum 15 lines of sight. High Dynamic Range 230 dB or more Depth of Display depth of 3 - 35 cm. High frame rate 2D frames 1000 or more Auto optimization, automatic quantification of B mode and Doppler parameters must be available in real-time & freeze modes for ease of use following functions.Pan Zoom facility on live and frozen images. Active ports Minimum 3 active ports for pin less electronic transducer connectors. Probe connectors should have latest pin less connectors. Display monitor High resolution Color TFT LCD display of 19 inches or more with articulating arm for adjusting good viewing positions. System Ergonomics Height adjustable and rotatable control panel. Touch screen control panel In-built color touch screen display for fast access to user Image. Archival on Hard Disk Capability to directly store images and video loops in the in-built Hard Disk Drive. Image storage capacity on hard disk drive should be minimum 250 GB or more. Image Archival facility on medium other than HDD CD/DVD writing, USB port or network storage with facility for image transfer. DICOM capability for networking and communicating images Advanced DICOM 3.0 ready facility should be available. Alphanumeric keyboard with soft keys for easy access		

			scan controls and Facility to sanitize system keyboard to avoid cross contamination. System should be upgradable to real time 3D/4D capability. Should be upgradable to intra operative probes. System must have a extended field of view imaging. Transducers Technology: Technology: Broadband probes and should have pin less or zip type connectors for fast transmission and should be latest Matrix light weight technology. Transducer technology broad Bandwidth Beam former technology for extreme high resolution 2D imaging and capable of frequency range from 1-18 MHz. Transducer to be supplied as standard: Convex Array probe 2 to 7 MHz Broadband frequency for trans abdominal applications. High Frequency Linear Array probe 4-13 MHz frequency Trans-rectal probe 5-10 MHz for large animal reproduction applications Phased Array probe with 1-4 MHz frequency for small animal cardiac applications Standard Accessories: B/W Thermal printer 1 No. of latest model Suitable online UPS with 20min inbuilt Back-up Warranty: Warranty on entire system including Probes and major accessories System should be supplied with two year warranty. Comprehensive AMC charges for five years post warranty period should be Quoted separately. Certifications: European CE and USFDA certification for the quoted model must be enclosed and Manufacturer ISO Certificates.		

332	VEQ-259	Colour Doppler Ultra Sound Machine (3 Probes-convex, micro convex, Rectal probe + Cardiac probe + Veterinary Software)	Technical Specifications for DIGITAL Ultrasounf 4D Color Droppler Machine for Veterinary Applications: 1.Digital Ultrasound color Droppler system, for veterinary Application. 2.Technology : Fully Digital Broad Band Beam - Former with Height Adjustment . 3. Probes Technology /Capability :- Broad Band Electronic Convex Array Probe - 2 to 6 MHz (Selectable 2.5/3.5/5.0/6.0MHz) Abdomen /OB/ Gynaecology Application With Biopsy Guide. 4. Linear Array Probe 5 to 13 MHz for MSK and tendon application. 5. Electronic Phased Array Probe 2 to 4 MHz for Cardiac Application. 6. Monitor Type : Minimum 15" TFT / LCD Monitor , Swift and Swivel Facilities. 7. Probe connectors: Minimum 3 probes active imaging connector any probe can be connected to any port. 8. Key Board: State of the Art Min 10" Touch Panel Keyboard and Illuminated and Soft keys for ease of use with inbuilt QWERTY kEY BOARD. 9. Imaging : B, B+B, B+M, 4B, B+PW, B+CW, B+CFM. 10. M-Mode with variable sweep speed. 11. Spectral :- 1. PW, HPRF & Steerable CW Doppler 12. Selectable PW/CW Doppler 13. Selectable sample size. 14. CFM:- 1. Variable Maps for velocity variance. 15. 2. Variable Electronic Steering with Linear 16. 3. Power Doppler (Various Maps). 17. Zoom Facility :- User Adjustable region of interst 18. Set of Annotations for every application . 19. Body marks for every study with pointer 20.Memory storage / Data Management :- Must allow images and video clips to get stored, reviewed and exported in Different Formats. 21. Direct Printing	Single	2

			solution through laser Printed : Images must be printed on laser Printer in format of 4 or 6 spots per paper 22. USB Pen drive writing with Imaging 23. General Measurement & Advance calculation packages : Extensive advance calculation packages & General measurements for B Mode M- Mode &Doppler Separately for Dogs/Cattle/horses etc . 24. Printiing Facility: Printed Directly throught laser printer. 25. UPS: Suitable online UPS Should be supplied along with the machine with minimum 20Min Back up 26. Laser Printer: Suitable Color Laser Jet 27. Applications :Abdomen Cardioliogy Reproduction small parts and Musculoskeletal 28. Optional Probe: 4D Volume convex probe for 4D Applications. 29. Echo Table 30.Warranty one year from the date of installation.		
333	VEQ-260	Vital Signs Monitor	Monitor should be veterinary specific. Minimum 12" high resolution color TFT LCD display Real time ST Segment, pace maker detection patient info input management system and indication of incorrect manipulation and malfunction analysis. capture dynamic waveforms.Should have following parameters ECG, Respiration, NIBP, SPO2, 2 Temperature and PR/HR. All Probes should be veterinary specific. All sizes of NIBP cuffs for various animals (Enclose catalog with pictures). Spo2 sensor should be able to give correct readings while attached to tongue / tail or perforated areas of animals. Multi lead ECG waveforms display in phase. Large easy to ready values of veterinary parameters. Should be upgradable to IBP and ETCo2 . Enclose catalog to ensure that all leads are for veterinary use. Human monitors are not acceptable.	Single	2
334	VEQ-261	Otoscope with light source plain	Veterinary video otoscope. UB CAM PRO. UB CAM Pro 2.0TM Videoscope. A useful tool for various applications in veterinary clinics Lightweight, allowing single hand	Single	2

			use. Excellent image quality. Live view with still image and video capture. Review data with client or for referral. Easy file/save image documentation		
335	VEQ-262	Ophthalmoscope with flexibility facility	Choice of XL 3.5 V xenon lamp or HL 2.5 V halogen lamp. Easy-to-operate aperture hand-wheel with semi-circle, small/medium/large circle fixation star, slit and red-free filter with contrast-enhancing effect. Optimized high-performance optics with aspherical condenser lens Parallel beam path Dust-proof.	Single	3
336	VEQ-263	X-ray 500MA for Small Animal. With installation including power requirements, lead apron, lead shielding boots, gonad protector , thyroid collar , according to statutes of AERB of India with safety monitoring devices and gadgets.	THE SYSTEM SHOULD BE 500 mA, 40KW GENERAL PURPOSE, FULL-WAVE RECTIFIED X-RAY EQUIPMENT, SUITABLE FOR RADIOGRAPHY OF STANDING, SITTING OR RECUMBENT PATIENTS WITH MULTI POSITION SEMI MOTORIZED EXAMINATION TABLE. THE SYSTEM SHOULD COMPRISE 500mA X-RAY GENERATOR WITH HIGH TENSION TRANSFORMER AND INTERFACE CABLE. THE SYSTEM MUST BE SUITABLE FOR CONVENTIONAL AND HIGH KV RADIOGRAPHY. IT SHOULD HAVE MAINS VOLTAGE COMPENSATION AND FILAMENT STABILIZATION ALONG WITH OVER LOAD PROTECTION CIRCUIT. GENERATOR FUNCTIONS : Microprocessor controlled APR for all Body Parts through Soft Touch Key Board Panel. KVp , Technic and mAs should be automatically selected by selecting the Body Part, Also Manual option should be there to change the factors. Each Key should be reprogrammable as per requirements. Independent – KVP, mA and mAs selection facility for better radiographic results. Should be LCD Display of Selected Factors. Should be Line voltage compensator for coarse and fine adjustment. Should be Microprocessor Based time selection for better accuracy. 2 Step kVp and Single Step mAs for better Radiographic results. Should be provided with Digital meter for Main Line voltage display for accurate exposure.	Single	2

			Microprocessor Based Electronic Overload Protection for Better Tube Safety Life should be provided. At least 12 extra Programmable keys for additional kVp , mA and mAs data storage should be provided. Microprocessor based auto selection of Bucky with Manual Option. Password protected Exposure Counter. FOR RADIOGRAPHY : THE RADIOGRAPHY VOLTAGE SHOULD BE FROM 40KV TO 125KV IN STEP OF 1KVP .THE SYSTEM HAVING ELECTRONIC TIMER (AUTOMATIC SELECTION BY MICROPROCESSOR). SMALL FOCUS : 50mA, 100mA. LARGE FOCUS : 300mA, 500mA. THE SYSTEM SHOULD HAVE DIGITAL / LCD DISPLAY OF KV, mA AND MAs. THE SYSTEM SHOULD HAVE THE FACILITY OF RAPID BREAKING OF THE ROTATING ANODE TO INCREASE THE TUBE LIFE. TABLE: IT SHOULD BE VERSATILE, ACTUATOR DRIVEN, MULTI POSITION EXAMINATION TABLE. TABLE SHOULD HAVE PROVISION TO STOP AT ANY POSITION FROM 0 TO 90 DEGREE. IT SHOULD HAVE SECTIONAL RAILS ON BOTH SIDES OF TABLETOP FOR ATTACHING RADIOGRAPHIC ACCESSORIES. STAND: IT SHOULD HAVE FLOOR - CEILING COLUMN STAND WITH RAILS FOR MOUNTING WITH MECHANICAL LOCKS AND SMOOTH MOVEMENTS.POWER: 440V, 50/60 Hz WITH THREE TO SINGLE PHASE TRANSFORMER. APPROVALS: Equipment should be BIS and AERB Approved. Manufacturer Should be ISO 9001 : 2015 and ISO 13485 : 2016 certified. Equipment should be CE Certified. X - RAY TUBE: TOSHIBA Make Rotating Anode Dual Focus X-Ray Tube with HT Cable of 6 Mtr Length with Manual LBD. Focal Spot of the Tube should be : 1.0mm Sq x 2.0mm Sq and Heat Storage Capacity 140KHU. (lead gloves, lead aprons,lead screen, dark room tanks, lead alphabets & numbers)		

337	VEQ-264	Ambubag	Silicon, 250ml, auto clavable, heavy duty	Single	10
338	VEQ-265	Veterinary Computerized radiography or Digitalization of x-ray with Consols, Monitors, Cassettes, Scanner, Printer-optional Working table, chairs.	The CR System should be suitable to use for small and large animals. System should be complete with two monitors, computer and dry laser printer. Operating voltage. 220 volts. Should be supplied with UPS with a power back up of 15 minutes. Should be supplied with 2 No's cassettes of 10x12" and 14x17" each System should have auto inline eraser. Should be supplied podo block with skid proof rubber feet for problem free X ray of hoofs along with the set of hoof instruments. Telescopic cassette holder for cassette size for 10x12" and 14x17" for taking X ray of spines and areas which are difficult to shoot. Cassette holders 2 nos each for 10x12" and 14x17". CR system should handle at least 68 cassettes per hour or more. The cassette scanner should not be of roller type and should be contact less scanning system for long life of the cassette and better image quality. Should have two 19" monitors. Should be equipped with Veterinary specific software. System should be up gradable to mammography option as and when required in future. Assists in diagnosis with software tools that provide easy calculation of critical dimensions. • Features DICOM functionality and connectivity. Installation, Demonstration and furnishing of CR room with false roofing, two ton AC, flooring and flush door facility will be company responsibility (Site can be inspected properly before quoting). Company should provide two years warranty and after warranty period the amount required for three years AMC should be included in the price. Catalogs must be enclosed with the offer, without which the offer will be rejected straightway. Computer: Processor: Core i5 5th generation.Ram: 4gb. Os: Windows 8.1 licensed original	Single	2

			must be upgradable to windows 10 (OFFICIAL VERSION). HDD: At least I TB. Monitor : Two LCD 19” or 20		
339	VEQ-266	Dowling spay retractor	Complete set	Single	1
340	VEQ-267	Gelpi retractor	Sizes 4.5”	Single	1
341	VEQ-268	Gelpi retractor	Sizes 6.5”	Single	1
342	VEQ-269	Balfour Retractor	Sizes 6”	Single	1
343	VEQ-270	Balfour Retractor	Sizes7”	Single	1
344	VEQ-271	Lane Retractor	Double ended blades wide 13mm and 19mm and wide 25mm and 32mm	Single	1
345	VEQ-272	Hauptman Spay Retractor	Sizes J925	Single	1
346	VEQ-273	Hauptman Spay Retractor	Sizes J925a	Single	1
347	VEQ-274	Hauptman Spay Retractor	Sizes J925b	Single	1
348	VEQ-275	Hauptman Spay Retractor	Sizes J925c	Single	1
349	VEQ-276	Spay Hook	Size 6”	Single	1
350	VEQ-277	Spay Hook	Size 8''	Single	1
351	VEQ-278	Millipore tape	1/2”	Single	1
352	VEQ-279	Millipore tape	1”	Single	1
353	VEQ-280	IV canula (intravenous catheters)	Sizes 20G,	Pack of 100	5
35	VEQ-	IV canula (intravenous catheters)	Sizes 22G	Pack of	5

4	281			100	
355	VEQ-282	IV canula (intravenous catheters)	Sizes 24G	Pack of 100	5
356	VEQ-283	Small Animal Anesthetic Machine with Isoflurane Vapourizer and Sevoflurane	Should have 1500cc heavy duty “Coaxial” absorber, recessed. Preferably molded Canister Should have Single large thumbscrew canister release Should have .1 to 4 l pm precision Oxygen flowmeter and Rotary float and large scale for improved readability. Should have recessed flush valve to prevent accidental activation and Quick connect fresh gas outlet for easy and secure switching between breathing circuits. Should have creservoir bags 0.5L,1l, 2l, 3l, and 5lts.Should Selectatec compatibility manifold for easy and quick installation of any model Vaporizer.Should have Large Quick Lock Inspiration and Expiration domes for easy access and visibility. Instrument shelf, stainless steel Momentary closed feature incorporated into our pop-off valve.Circuit pressure gauge, easy to read and large Patient circuit pressure alarm audible.Rotating bag mount for ease of visibility and easy access fairy good built in Evacuation connector. high stability frame with good long lasting finishing.Large heavy duty cushioned castors, 2 with locks, for easy glide and long life. Easy compatibility for easy installation of brain circuit and scavenger interface. Oxygen supply hose 9ft, Patient circuit with 2 and 3 L bags Drawer module atleast 4 drawers with Larger Monitor shelf. Scavenger interface, Preset regulator Should have all sizes of available Veterinary specific masks with diaphragms from small feline to large canine. Minimum Three year Onsite warranty. Should have supplied similar machine to some veterinary institution and if required demonstration should be given." with AA size oxygen cylinders with trolleys with Bains circuit rebreathing bags of various sizes of 1/2, 1, 2, 3, 5 lits	Single	1

			and Sero Installation + Bins circuits + Rebreathing Bags of 1/2, 1, 2, 3, 5 liters.		
357	VEQ-284	ST-200 CL Electrolyte Analyzer	Sensa Core's ST-200 CL Electrolyte Analyzer is completely automated, microprocessor controlled electrolyte system that uses current ISE, technology to make electrolyte measurements. The ST-200CL product measures various combinations of sodium, potassium, Ionized Calcium, Lithium, pH and Chloride in whole blood, serum, plasma, and urine. Sensa Core's ST-200CL / 200Plus / 100B Electrolyte Analyzer products are speci_cally designed to meet the needs of small to medium-size laboratories by Inventing and developing the latest technology, Sensa Core's Electrolyte Analyzers improve lab productivity, while delivering sample results economically. Snap-in electrode design, combined with precise control of calibrator volumes, ensure economical operation and a low cost per sample in our Analyzers. Maintenance of Sensa Core's Electrolyte Analyzers is limited to the replacement of Reagent Pack, Maintenance Free Electrodes, Disposable Valve and Pump Tube which are just plug and play. Depending upon customer requirement ST-200CL is Available in two variants in terms of Sampling procedure. ST-200CL Flip based Analyzer. ST 200CL Slider based Analyzer	Single	1
358	VEQ-285	Veterinary Surgery Table -Electric / Height-Adjustable On Casters	Lubb veterinary electric surgery table. Electric model, "X" shaped stainless steel base; This veterinay surgery table has a flat top, reclinable up to 16°. Dimensions: 130x60x61-108 cm; Capacity: 150 kg.	Single	1
359	VEQ-286	Medical Endoscope with LED light source and Endoscopy Trolley	Configuration List: Packing List: Endoscopic Monitor 19 inch - 1, Computer Display-1 , LED Cold Light Source-1, CCD Camera(700 line) -1, Canon Printer-1, Computer-1, Trolley-1, CCD Camera : The white balance Automatic/manual lock white balance, White balance range 200-15000''K, Image sensor SONY SUPER HAD	Single	1

			CCD, The output pixels,AL:795(H)*598(V), Scanning system PAL:752lines,50field/sce, Synchronization system the synchronous, Horizontal definition ≥700(line), Video output 1.0VP-P.75(ohms), Signal to noise ratio >52dB, Gamma correction 0.45, Electronic shutter 1/50-1/100000 second consecutive, Minimum illumination 0.5lux XF2.,Remote control The camera can lock white balance. LED Cold Light Source: The power supply AC220V,50HZ, LED power 100W 60W for option, Intensity of illumination ≥1400000lux, Output flux 1800lm, Color temperature 3000k-7000k, Color rendering index ≥90, The power supply 400-700nm, Noise ≤55dB. Monitor: Display 19" SD, Size ratio 5:4, Distance 0.294*0.294mm, Resolution 1280*1024, Chroma 16.7M, Brightness 400, Contrast 1400:1, The response time 5ms, Viewing Angle 178°(H)*178°(V), Input signal HDMI/DVI/VGA/CVBS/USB/3G-SDI/HD-SDI no available, Output signal CVBS, Power supply AC100-240V50/60HZ, Power 40VA. Option: CCD Camera 900 line/1100 line, Medical monitor 24 inch, Endoscope ENT mirror, arthroscopy, laparoscopy, etc. Endoscope Flexible - 1, Laproscope flexible- 1, Otoscope flexible- 1, Gstroscope flexible -1, Opthalmoscope flexible-1, Tracheo - Bronchoscope - 1,		
360	VEQ-287	Veterinary Orthopedic Pinning Kit	ITEMS: Mini reduction forceps serrated - 2, Mini periosteal elevator (sizes - 6" & 8") - 1 (In each cetegory), Wire tightner cum twister - 1, Wire passer small - 1, Wire cutter double action - 1, Steinmann pin introducer with SS chuck and key - 1, Self centering Bone holding forceps (Size - 6") - 2, Bone Nibbler straight double action - 1, Universal hand drill - 1, Orthopaedic wire (S.S) (Size-22G, 20G,18G) - 1 (In ecah category), Steinmann Intramedullary pins (Size - 2.5mm, 3.0mm, 3.5mm, 4.0mm4.5mm, 5.0mm) - 4 (In ecah category), Loman	Single	1

			bone holding clamp (size - 6") - 2, Liston straight bone cutting forceps (Size - 6" & 8") - 2 (In ecah category), Still-Leur double action rangeurs - 2, Gorden extender - 2, Chisel and Osteotome - 2, Bone curette -2, Bone rasp (size - 8") - 2, Spade - 2, Bone reamer - 2, Intramedullary pin cutter (Large size) -2, Bone hook -2.		
361	VEQ-288	Bone Plating kit	3.5 screw box (8 "x 4"), cortical screws of all lengths with a completely filled box, drill sleeve for 2.7 mm drill bit, 2.7 mm drill bit, depth gauze, 3.5 mm tap, orthopedic scale, screw driver for 3.5 mm cortical screws	Single	10
362	VEQ-289	Stretchers 7 feet length with wheels (S.S)	Stretcher on trolley (Size : 84" * 22" * 32") Fully stainless steel with 6" wheels with Squire pipe 1"	Single	1
363	VEQ-290	Oxygen Cylinder (Bulk type)	7 cubic meter capacity, Empty cylinder weight = 51kg, Height : 4' AA size with trolley	Single	2
364	VEQ-291	Veterinary Suction Apparatus	Max vacuum: ≥0.08MPa(600mmHg), Fall of vacuum when sealed: ≤0.005MPa(38mmHg)/10min, Storage bottle: 1000ml (glass) with double glass jar, GW/NW: 5.5kg/3.5kg, Packing dimension: 36.5cm×27.5cm×30.5cm	Single	2
365	VEQ-292	Cardiology Diagnostic Stethoscope	Ergonomic and high profile construction; 40% larger chestpiece and 60% deeper bell than the 3M™ Littmann® Classic III™ Stethoscope, Designed for use with adult and pediatric patients. Tunable, dual-sided stainless steel chestpiece with open or closed bell. Non-chill bell sleeve for greater patient comfort. Soft-sealing eartips provide optimal comfort and excellent sound occlusion. Made without natural rubber latex. 7 years warranty	Single	2
366	VEQ-293	Veterinary Blood pressure Monitor	Method of Measurement: Oscillometric. Blood Pressure Range: Systolic: 40 – 265mmHg, MAP: 27 – 222mmHg, Diastolic: 20 – 200mmHg, Pulse Rate Range: 25 to 300 BPM (Beats Per Minute), Cuff Deflate Rate: Deflation step size varies with heart rate, cuff pressure and cuff volume, Initial Inflation Pressure: 180 mmHg (default)	Single	10

			Subsequent initial inflation: previous Systolic + 30 mmHg, Transducer Accuracy: ±3mmHg between 0 mmHg and 300 mmHg, Transducer Calibration: Recommended bi-annually or if a calibration problem is suspected, Operating Conditions: 0°C to 50°C, 15% to 95% non-condensing humidity, Storage Conditions: -20°C to 65°C, 15% to 90% non-condensing humidity, Altitude: Measurement accuracy not affected by altitude, Power: 4 AA alkaline batteries., A/C Power Adapter - Input: 100-240v ~ 47-63Hz 0.48A Max, Output: 5.9V 3A 17.7W Max, Dimensions: 6.25" x 5" x 5.25" (15.9cm x 12.7cm x 13.3cm), Weight: 1.3 lbs (0.59Kg) with batteries		
36 7	VEQ-294	Kerato Meter	Coincidence focusing system with positive measuremnt, One posiyion instrument and measures both meridians without changing the optical system, 2way adjustable chin and head rests, Positive fixation permits rapid measurement of central corneal thickness, achromatic lenses, simple vertical adjustable head to fit patient, dual eye level sighting system, facilitates horozontal aligment, positive fixation, permits rapid measurement of central corneal area. Measurement Ranges : Corneal radius : 6.4-9.4mm in 0.05mm step, Corneal power : 52-36 D diopter in 0.25 D step, Corneal astigmatism axis : 0° - 180°. Electrical Specification : Light source : 15W tungsten bulb/ LED, Power Supply : 110-230v, 50-16Hz, Physical Parameters: Dimension (L*B*H) : 19*7*16 inches, Weight : Aprrox 7kg	Single	2
36 8	VEQ-295	Operating Microscope	MAIN MICROSCOPE : Magnification type : 3 step, Magnification : 0.6x, 1.0x, 1.6x. Arm length : 900mm, Net weight : 65kg. COMMON TECHNICAL SPECIFICATIONS : Eye pieces : 10x, Diopter adjustment from +6 to -6. Inter pupillary distance : 55mm-75mm. Working Distance : 175mm or 200mm. Fine locusing control : monitorised ny foot control. Filter : UV Heat	Single	2

			absorbing filter. cobalt blue, green (Redfree). Light source : 12v, 100w Halogen bulb with stand by lamp /holder. Light transmission : fiber optic cable. Arms : Counterbalanced spring arms. Stand ; brilliant floor stand. ELECTRICAL SPECIFICATIONS : Power supply : 110-230v, 50-60Hz, Power Consumption : 100 watts		
369	VEQ-296	Indirect Ophthalmoscope (CORDLESS)	Focus distance : 300-800mm, Inter pupillary distance : 54-74mm, Pupil size optics : 1.00mm, Illumination : LED illumination, Field ; Good, clear, circular, Illumination spot size : ø4.0mm, ø3.0mm, ø1.2mm, Illumination area(at the distance 500mm): ø80mm, ø60mm, ø25mm, Illumination source : LED on the instrument, Illumination control : low,high, Filters : Heat absorbing, green, cobalt blue. ELECTRICAL SPECIFICATIONS : Power supply : 110-230v, 5o-60Hz, Light source : LED, Battery : Rechargable.PHYSICAL PARAMETERS : Weight : 550g and gross 2.1kg, Dimensions(L*B*H) : 240*210*130. Standard accessories for Cordless : Battery charger, Carrying case, Scleral depressor, Fundus chart, Marking pencils , instruction manual, 1.20 Diopters aspheric viewing lens, double sided co-observation teaching mirror	Single	2
370	VEQ-297	USB Computer Microscope	Superior Quality Professional Infinity Corrected Polarizing Trinocular Microscope. Larger 30mm Eyepiece Ocular Tubes. Most compound scopes are 23mm. The larger size allows for less eye strain, much easier viewing, and a larger and better quality Excellent Bright and Clear Images through High Quality Optics.	Single	2
371	VEQ-298	Digital Camera	Digital camera with 20 MP, 16 Gb memory card with Camera case,	Single	50
372	VEQ-299	Examination Gloves	Polythene disposable examination hand gloves, easy wear, all size, pocket contains 1000 No.	Single	2000

373	VEQ-300	Disposable Surgical Aprons	Disposable Surgical Aprons of Standard material	Single	1000
374	VEQ-301	Surgical Cotton Gowns	Small/Medium/Large/XL/XXL Size	Single	500
375	VEQ-302	Infant Feeding Tubes	Size 5	Pack of 100	5
376	VEQ-303	Infant Feeding Tubes	Size 6	Pack of 100	5
377	VEQ-304	Infant Feeding Tubes	Size 7	Pack of 100	5
378	VEQ-305	Infant Feeding Tubes	Size 9	Pack of 100	5
379	VEQ-306	Clipper - Veterinary Hair Clipper for Surgical preparation	Heavy duty cordless clipper, 200W motor, Voltage: DC12V Cutting speed: 2500 RPM, Run time: approximately 1.5 hrs per battery Charge time: approximately 2.5 hrs per battery Batteries: 2 x 6000mAh Li-ion Batteries Weight : approximately 1.05 kg	Single	100
380	VEQ-307	Foleys Catheter	Size 16 French	Single	25
381	VEQ-308	Foleys Catheter	Size 20 French	Single	25
382	VEQ-309	Foleys Catheter	Size 22 French	Single	25
383	VEQ-310	Foleys Catheter	Size 24 French	Single	25
384	VEQ-311	Foleys Catheter	Size 26 French	Single	25
385	VEQ-312	Washing machine	Fully-Automatic,Best Wash Quality, Energy and Water efficient 4 years machine warranty + 10 years Motor Warranty + 10 years Spares Support (on-site) 10+1* Wash Programmes: Mix/Daily, Smart Sense, Express 30, Delicates, Tub Clean,	Single	100

			Anti-Allergen, Stain fighter, My Cycle 720 RPM: Higher spin speeds helps in faster drying, Aqua Energie Device for Water Softening, Better Detergent Action & Color Protection, Active Color Protection, Lint Tower Filter, Biaxial 360 degree Rotation for cleaning every part, Triadic Pulsator for Deep Cleaning Triadic Pulsator: A 3 Way Wash Action for Deep Cleaning Capacity 8 kg: Suitable for heavily soiled cloths		
386	VEQ-313	Scrub suit	TWO TROUSER POCKETS ELASTIC WAISTBAND WITH ADJUSTABLE DRAWSTRING 4 WAY STRETCHABLE MOISTURE WICKING FABRIC & CARE POLYESTER 68%, RAYON 27%, ELASTANE 5% NORMAL MACHINE COLD WASH Sizes: M, L, XL, XXL, XXXL HIGHLY DURABLE WITH DOUBLE STITCH ANTI STATIC RIDICULOUSLY SOFT & BREATHABLE DRAWSTRING COLOUR GREY	Single	100
387	VEQ-314	Reverse Osmosis System (Big)	RO Purifier with Hydrostatic Tank enabled with RO+UV+UF+TDS Contoller;Suitable for Purification of Brackish / Tap Water;Storage Capacity 9 L;Purification Production Rate 15 L/hr;Input Power Supply Single Phase 220 ± 10 V AC, 50 Hz,WQA, NSF and ISI certifi	Single	100
388	VEQ-315	Milli-Q ultrapure type I water purification system	Production flow rate rate 5litres per hour,particles -no particles with size more than0 .22micrometres,bacteria less than 0.01 CFU per millilitre,endotoxins-less han 0.01EU/ml,TOC-less than 2 PPB dimensions: H X W X D 498 X315 X 380mm, 5 years warranty	Single	50
38	VEQ-	Largngo Scope	With 3 different size Blade suitable for Large and Small	Single	50

9	316		dogs		
390	VEQ-317	Woods Lamp	Hand held woods lamp for diagnosing skin diseases in animals, 4 UV lamp tubes with PVC material protector board, non-slippery handle, with magnifying glass ABS material case Black shield cloth should be provided	Single	50
391	VEQ-318	Doppler BP Monitor	Type: CW ultrasonic Doppler blood flow detector Ultrasound Frequency: 9.6 Mhz Construction: High impact ABS-PC Dimensions (Overall): 6" x 4.625" x 1.75" Weight: 15 oz. Doppler Frequency: 9.6 MHz Audio Output: Speaker and headset jack with speaker?cutoff Power Adaptor: Input: 110/220 VAC 50 or 60 Hz. Output: 5 VDC (Will not operate with AC connected) Battery: Rechargeable Lithium-ion Battery Use Transducer: Focused piezoelectric elements with 5 Ft.Cable Between Charges: 35-40 hours continuous Transducer Dimensions: 0.6" X 0.5" X 0.24" Connector: 5 Pin circular DIN Sphygmomanometer: 0-300 mmHg certified manometer?with bulb type pump and deflation valve.Headphones: Stereo audio with 3.5 mm phone plug Cuffs: 6 ea. for limb circumferences 3.3-16.8 cm	Single	50
392	VEQ-319	Autoclave with 4 Dressing Drums, 2 drums can be fitted with autoclave	Volume-45 Liters Inner dimensions-12 x 22 Inch (Dia. x L) Drum capacity-02 Nos. 11*9 inch Heater-ISI mark Immersion heater 2 KW Heater-ISI mark Immersion heater 2 KW MOC Exterior-Painted MS Stand and ring-Chrome plated MS Sterilization chamber-SS 304 Lid-Painted MS w/ SS inner line Locking system-Radial locking mechanism w/ pedal lifting device Pressure-15 to 20 psi Temperature-121°C to 125°C Pressure release-Manual release value Pressure display-Dial pressure gauge Pressure control-Automatic pressure control switch Gasket-High temperature joint less silicone rubber gasket Timer-Mechanical timer adjustable up to 60 minutes Safety-Spring loaded safety valve on lid Safety-Spring loaded safety valve on lid Power supply-	Single	50

			220 Volts 50Hz Test confirmation-Hydraulic tested at 2.5 times of working pressure Standard fittings-Mains on/off switch SS stand to keep drums Water level indicator Water drain valve Power cord with three pin plug Optional-Low water cut-off device Dressing drums 11*9 Inch & 15*12 inch All stainless steel construction Triple walled construction Digital temperature controller cum timer		
393	VEQ-320	wireless oscillating ortho saw	Power Output : ≥ 80W Speed : 0-15000(osc/min) Noise : ≤ 75 (db) Battery : 9.6 (V), Ni-Mh, 1800 mA/h Sterilization : 135° C	Single	50
394	VEQ-321	Rubber mats	Water Resistant,Slip Resistant,Dirt Resistant	Single	50
395	VEQ-322	Wire Tensioner	Material-Stainless Steel Type-Orthopedic External Fixator Instrument Usage/Application-Orthopedic Surgery Packaging Type-Standard Color-Bright CE Marking-With CE Marking I Deal In-New Only Finishing-Bright Finish	Single	100
396	VEQ-323	Hammer	With 2 functional heads Easy to handle Includes pin and brush Weight: 105 g Length: 17 cm	Single	100
397	VEQ-324	LCP PLATE - 2.7mm - 6H	2.7mm - 6H made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
398	VEQ-325	LCP PLATE - 2.7mm - 8H	2.7mm - 8H made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
399	VEQ-326	LCP PLATE - 2.7mm - 10H	2.7mm - 10H made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
400	VEQ-327	LCP SCREW - 2.7mm - 10mm	2.7mm - 10mm made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
401	VEQ-328	LCP SCREW - 2.7mm - 12mm	2.7 mm- 12mm made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
402	VEQ-329	LCP SCREW - 2.7mm - 14mm	2.7 mm- 14mm made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
403	VEQ-330	LCP SCREW - 2.7mm - 16mm	2.7 mm- 16mm made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20

404	VEQ-331	LCP SCREW - 2.7mm - 18mm	2.7 mm- 18mm made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
405	VEQ-332	LCP SCREW - 2.7mm - 20mm	2.7 mm- 20mm made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
406	VEQ-333	LCP PLATE - 3.5mm - 8H	3.5mm - 8H made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
407	VEQ-334	LCP PLATE - 3.5mm - 10H	3.5mm - 10H made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
408	VEQ-335	LCP PLATE - 3.5mm - 12H	3.5mm - 12H made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
409	VEQ-336	LCP SCREW - 3.5mm - 14mm	3.5mm - 14mm made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
410	VEQ-337	LCP SCREW - 3.5mm - 16mm	3.5mm - 16mm made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
411	VEQ-338	LCP SCREW - 3.5mm - 18mm	3.5mm - 18mm made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
412	VEQ-339	LCP SCREW - 3.5mm - 20mm	3.5mm - 20mm made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
413	VEQ-340	LCP SCREW - 3.5mm - 22mm	3.5mm - 22mm made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
414	VEQ-341	LCP SCREW - 3.5mm - 24mm	3.5mm - 24mm made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
415	VEQ-342	LCP SCREW - 3.5mm - 26mm	3.5mm - 26mm made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
416	VEQ-343	LCP SCREW - 3.5mm - 28mm	3.5mm - 28mm made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
417	VEQ-344	LCP SCREW - 3.5mm - 30mm	3.5mm - 30mm made of surgical Stainless steel / 316 L stainless steel (each box containing 6 to 8 numbers)	Single	20
418	VEQ-345	Nebulizer	Material-Environmentally ABS material Power Feeding-AC220V±22v,50HZ±1HZ Output Power-160VA Nebulizing Rate-≥0.20ml/min Output Flow- 10L/min Size-130x50x100mm Accesories-Nebulizer bottle/L mask / S mask / Air tube(2.0M) / Mouth Piece / Air filter(4Pcs)	Single	50
41	VEQ-	Xray-iliuminator	Category. Medical X-Ray Film, Ultrasound Film, Dry	Single	50

9	346		View Film, Dental Film, Occlusal Film. Size. ZEDX-A101-14X17. Application. Clinical, Hospital, Home Purpose, Veterinary Purpose. Thickness. Approx Input voltage. AC10O-250V. LED light source. Life of 50.000 hours. Brightness.		
420	VEQ-347	Trevis	1.Service - Insemination Crate-Cum-Trevis - Tubular Trevis of Best Quatity Original Galvanised Iron Pipe with IS 1239 Standard "A" Class light with 2.9 rnrn of wall thickness and Inner Diameter of 50 mm with toleranc of ±8%. 2. Mild steel Brackets Duly Electrically Welded Fittings with Bolts, Nuts and Spring Washers. 3. The Head side of the arch should have 3 strong oscillating rings fixed with the bracket and 2 sleeves to slide and to secure I/V stand rod. The Height of the arch in the middle of the inner side is 7.5 feet (226 cm) from the bottom, width between the vertical bars of the Head side arch inner side should be 33 Inches before installation. 4. The length of the side bars of the trevis should be a minimum of 6.3 feet. Three metallic brackets (MS) should be provided on the side bars to accomodate the horizontal rods. The height of the lateral bars should be 4½ feet. 5. Four horizontal pipes should be provided as to fit in 14 No's of mild steel brackets, Iength of the each pipe should be 43 Inches. 6. The weight of the trevis should be minimum of 90-92 Kg. 7. All the four legs of the trevis should be welded with base plates frnild steel) of 5 Inches with 5 mm thickness.	Single	3000
421	VEQ-348	Auto clave	Chamber Dimensions (0 x L) 254mm x 470mm Chamber Volume 23 Lite Overall Dimensions (D x W x H) 545mm x 510mm x 365mm Standard Casette Capacity* 3 Full and 3Half Tray Dimensions (D x W x H) 415mm x 170mm x 20mm No. of Trays: 4 Voltage & Frequency 230V 50-60 Hz Power & Current 1400 W 6.5 A Shipping Weight 39 kg *Standard full size cassette is 203 x 280 mm and	Single	50

			standard half size cassette is 203 x 140 mm.		
422	VEQ-349	Surgical bins	Size-6 X 6 Grade-SS 304 Packaging Size-Wooden Composition-Stainless Steel Usage/Application-Hospital	Single	500
423	VEQ-350	Pulse Oxymeter	Features: • 3.5'Large size color touch screen TFT LCD, white LED backlight • Veterinay Specific Software with feline, canine and equine modes. • Supplied with new Nellcor Oximax Compatabile Tip Clip Sensor • Turn off automatically for power saving. • Uses Lithium battery. • Three measurement modes: spot–check, monitoring and record. • Continuous storage of data for 999 patient data in 120 hours. • Data can be stored on a computer and managed, analyzed and printed by using the ODMS system. • Silent sleep monitoring, with data storage and automatic power-saving features for patients with 24 hours uninterrupted care. • Expanded heart rate values and veterinary specific SpO2 sensors to accommodate a variety of species. Technical Specifications: SPO2 Measurement Range:-1-100% Accuracy:-70-100% (+/-2%) Display Wave Speed:-10mm/Sec Pulse Rate:-30bpm-400bpm Alarms:-Audible & Visual Priorities:-Low, Medium, High Battery:-Lithium Battery (Approx 15 hours usage) Configuration:-Main Unit, Veterinary SpO2 sensor, Charging base, Lithium Battery Sensor:-Veterinary Tip Clip Sensor for secure fit Optional Configuration:-Data Analysis Software(ODMS), Touch Screen Memory:-Saves a total of 120 hours of data events; saves date and time, alarm conditions, measurements	Single	2000
424	VEQ-351	Air Conditioner in Operation theatre	2Ton, Split Air conditioner with stabilizer	Single	50
425	VEQ-352	Electronic Stethescope	Frequency Range-100 Hz to 10 kHz Volume-adjustable Power-9 V battery Enclosure- ABS Operating	Single	50

			Temperature- -10 to 55°C Dimensions- 206 x 50 x 32 mm Sensors (attachable)- 1 x 290 mm; 1 x 70 mm (long) Sensor composition-steel Weight-240 g, with battery		
426	VEQ-353	Microscope with Monitor	Innovative designed, highly versatile with latest Gem 45° Inclined optical system 10x Wide Field eye pieces 3 Step Magnification (5x, 10x & 20X) or 5 Step Magnification (0.5x, 0.63x, 1x, 1.6x & 2.5x) or Continuous Zoom (5x ~ 25x) Beam Splitter with 'C' Mount CCD Digital Camera Working distance : F= 250mm objective lens Interpupillary Distance Adjustment: 55mm to 75mm Focusing – Manual or Motorized with Foot Control LCD Monitor/Screen : Mount on Microscope to display live surgery	Single	50
427	VEQ-354	Vein finder	Light type: Near-Infrared. Depth: – Up to 10 mm in the hand with the help of an intensifier in the palm (accessory provided for free) – 3 – 5 mm for legs and arms. Best Projection Distance: 200~250mm. Main Wavelength Of Light Source: 750nm~940nm.	Single	500
428	VEQ-355	Electric thawing Units	Should be a water bath based system operating at a preset and precise temperature of 37 deg C-40 deg C +/- 0.5 deg C. Should have digital timer clearly displaying the programmed set time or remaining cycle in minutes. Should have a system to drain the chamber within 3 minutes.	Single	2000
429	VEQ-356	Rumen Puncture Needle	Size 10G X 4″ / 12G X 4″	Single	5000
430	VEQ-357	Obstetrical Hooks	Made of stainless steel	Single	5000
431	VEQ-358	ph papers	Dimensions: 1.875" (L) x 0.25" (W)	Pack of 100	5000
432	VEQ-359	Lead Aprons	must provide at least 0.5 mm of lead or equivalent structural barriers	Single	50
433	VEQ-360	X-Ray Films	(8X10) inches	Single	100

434	VEQ-361	X-Ray Films	(10X12) inches	Single	100
435	VEQ-362	X-Ray Films	(12X15) inches	Single	100
436	VEQ-363	Exaust fan for dark room	Fan exhausts up to 400 CFM. Completely change the air in less than 4 minutes. Features a 6" diameter pipe starter. Fan size 12" x 12" x 4"	Single	50
437	VEQ-364	Surgical Suction machine for large animals	Respiration mode Manual mode, open mode, closed mode, semi-open and semi-closed mode. Gas sourceO2,quick inlet port. O2 FLUSH 20L /min- -75L /min Flow meter O2, 0L/min - -10L/min, adjustable easily Airway pressure gauge 20cmH2O-100cmH20. APL valve (Pop Off valve) adjustable easily, range0-60cmH20 Inspiration valve and expiration valve visible dome- type, Soda lime chamber 0.5 Liter, easy to change soda lime within one minute Bains connector open breath system, like Bains circuit and Jackson circuit Anesthesia vaporizer one of Isoflurane, vaporizer. supply selectatec. Optional accessories Anesthesia ventilator Trolley	Single	100
438	VEQ-365	Large Animal Sling(lifting system for recumbant /downer animal	Type-Winch Gear box Lifting Capacity-1000 Kg Usage/Application-Animal Lifting Purpose Material-Mild steel Size-7.5x4x4 Feet	Single	50
439	VEQ-366	Embryotomy set	Thygensen embrotome set with wire saw	Single	50
440	VEQ-367	FAMACHA Cards	Plastic card with 5 high-resolution photos, Numerically designates each stage of anaemia	Single	1000
441	VEQ-368	Vacutainer with K2 EDTA	Blood collection tubes 2 ml(Double cap)	Single	5000
442	VEQ-369	Uristix	Dip and read urine analysis, 20 test kit	Single	500
443	VEQ-370	Ketostix		Single	500
444	VEQ-371	Digital Weighing Machine	There is an electronic display with battery backup - Maximum weight: 100 kg Pan size 3X3 ft - Scale	Single	50

			graduation: 100g		
445	VEQ-372	Crashcart Trolley	Strong SS tubular frame work with 6 colour removable bins. 2 polystyrene storage unit with 3 drawers each. Provision of SS rod location, push handles on either side, 3 SS shelves,equipped with powered coated oxygen cylinder holder. Overall approxiamate size 940mmLX 500 mm W X 1535 mm H.	Single	50
VBC - CHEMICALS & REAGENTS					
446	VBC-1	Absolute Alcohol	2.5 Lts, 99.8% purity, AR Grade	2.5 Ltrs	5
447	VBC-2	Aceto nitrite for HPLC	HPLC Grade, 1 ltr	1 Ltrs	5
448	VBC-3	Acetone	AR grade	1 Ltrs	20
449	VBC-4	Acid Fast Staining kit	With Methylene Blue counter stain, Basic Fuchsine, Phenol, Liquid, Ethyl Alcohol, Penetrating Agent & Deionized Water Hydrochloric Acid & Ethyl Alcohol	Single	15
450	VBC-5	Agar - Brain Heart Infusion	Dehydrated culture media suitable for cultivation of pathogenic bacteria, yeast and agar mould.	100 gms	5
451	VBC-6	Agar - SIM (Sulphide,Indole, Motility)	SIM Medium, Granulated is recommended for determination of hydrogen sulphide production, indole formation and motility of enteric bacilli	500 gms	4
452	VBC-7	Agar - XLD(Xylose Lysine Deoxycholate agar)	XLD agar for Salmonella species	100 gms	2
453	VBC-8	Agar - Brilliant Green	Dehydrant enrichment media suitable for isolation of salmonella from pathological material in accordance with IP.	100 gms	20
454	VBC-9	Agar - C.L.E.D.(cystine–lactose–electrolyte-deficient agar) with Andrade Indicator	Recommended for urine bacteriology, supporting the growth of all urinarypathogens and giving good colonial differentiations and clear diagnostic characteristics	100 gms	2

455	VBC-10	Agar - E.M.B.(Eosin Methylene Blue)	Bacteriological grade	500 gms	15
456	VBC-11	Agar - Listeria Selective (Twin Pack)	Recommended for selective isolation and cultivation of Listeria species from clinical specimens	500 gms	1
457	VBC-12	Agar - Macconkey	without CV, Nacl with 0.5% sodium tauro cholate for cultivation and differentiation of entero bacteria.	100 gms	15
458	VBC-13	Agar - Mannitol salt	selective media for the isolation of pathogenic Staphylococci, sodium chloride concentration should be 7.5%	100 gms	20
459	VBC-14	Agar - MM(Miller and Mallison) Modified HiCrome™	For isolation and enrichment of Salmonella selectively	100 gms	1
460	VBC-15	Agar - Muller Hinton	Ingredients g / Litre: Meat, infusion solids from 300g /2.000, Casein acid hydrolysate 17.5, Starch 1.5,Agar 17.0, Final pH (at 25°C) 7.3±0.1	100 gms	75
461	VBC-16	Agar - Saboraudes Dextrose	AR Grade	100 gms	3
462	VBC-17	Agar - shiga toxin EC(E.coli) Hichrome	chromogenic differential medium for selective isolation of Shiga toxin producing E.coli from clinical and nonclinical samples	500 gms	1
463	VBC-18	Agar - Simmons Citrate	Bacteriological grade	100 gms	6
464	VBC-19	Agar - Triple sugar iron	Identification of gram negative enteric bacilli from sugars	100 gms	3
465	VBC-20	Agar - UTI(Urinary Tract Infections) HiCrome™	Recommended for presumptive identification & confirmation of microorganisms mainly causing urinary tract infections & other clinical sample	100 gms	1
466	VBC-21	Agar Agar Powder	Bacteriological grade	500 gms	15
46	VBC-	Agar Base - Cetrimide	Recommended for the selective isolation of	100	2

7	22		Pseudomonas aeruginosa from water and clinical specimens	gms	
468	VBC-23	Agar Base - Chocolate	Recommended for the isolation of Neisseria and other pathogens as non selective medium	500 gms	2
469	VBC-24	Agar Base Egg (Aneaerobic)	Anaerobic Egg Agar Base supplemented with egg yolk emulsion is recommended for detection of Clostridium perfringens in foods	500 gms	1
470	VBC-25	Agar Base - Tinsdale Hiveg	Tinsdale HiVeg Agar Base with supplement is recommended for selective isolation and differentiation of Corynebacterium diphtheriae	500 gms	3
471	VBC-26	Agar Base - Yersinia Selective HiVeg	Recommended for the selective isolation and enumeration of Yersinia enterocolitica from clinical specimens and food samples	500 gms	3
472	VBC-27	Agar Base DNase test	Recommended for the detection of deoxyribonuclease activity of bacteria and fungi, and especially for identification of pathogenic Staphylococci	500 gms	3
473	VBC-28	Agar plates - Blood	Readymade sheep blood agar plates	20plates/pk	12
474	VBC-29	Agarose - low EEO	Agarose BioReagent, molecular biology grade, low EEO, 100g,impurities: ≤10% moisture content EEO: 0.09-0.13,transition temp:gel point 36 °C (1.5% gel, ± 1.5 °C),gel strength: ≥1200 g/cm2 (1% gel),anion traces:sulfate (SO42-): ≤0.15%,foreign activity:DNAse, RNAse, none detected	100 gms	10
475	VBC-30	Ammonium Oxalate crystals	AR grade	500 gms	5
476	VBC-31	Ammonium Sulphate solution	AR grade	250 ml	5
477	VBC-32	Anaero Indicator tablet	For detection of anaerobic environment, Tablet colour changes differently with presence and	5 tabs/p	5

			absence of oxygen	ack	
478	VBC-33	Anaerobic system	supplied with transperant, unbreakable polycarbonate jar of 1.5litre capacity with sturdy aluminium lid clamp and sealing ring with built-in safety features	Single	1
479	VBC-34	Anaerogas pack	supplied with transperant, unbreakable polycarbonate jar of 3.5litre capacity with sturdy aluminium lid clamp and sealing ring with built-in safety features	Single	1
480	VBC-35	Antibiotic Sensitivity discs	Antibiotic discs (Assorted), as per CLSI, EUCAST standard, catridge with 50 discs	50 discs/ cartridge	300
481	VBC-36	Antibiotic solution & Antimycotic solution	Penicillin 1000 U and Streptomycin 10 mg, Amphotericin B 25 Micrograms Per ML in 0.9%noraml saline	50 ml	15
482	VBC-37	Benedict's Qualitative reagent	For detection of glucose in the Urine -AR grade, 500ml	500 ml	25
483	VBC-38	Borax Caramine (Alcoholic) stain	AR grade	125 ml	20
484	VBC-39	Boric acid	AR grade	100 gms	5
485	VBC-40	Bromo Thymol blue	AR grade	25 gms	5
486	VBC-41	Bromocresol Green Solution	AR grade 125 ml	125 ml	15
487	VBC-42	Broth - Brain Heart infusion	For propagation of pathogenic cocci and other fastidious organisms.	100 gms	5
488	VBC-43	Broth - Macconkey	with neutral red for selective enrichment and enumeration of coli forms.	500 gms	15
48	VBC-	Broth - Nutrient	Suitable for cultivation of less fastidious	500	1

9	44		organisams, 500 gms	gms	
490	VBC-45	Broth - Todd Hewitt HiVegTM	For isolation and preenrichment of Streptococci selectively and for cultural growth	100 gms	3
491	VBC-46	Cadmium iodide	SQ grade	100 gms	2
492	VBC-47	California Mastitis Reagent	3% sodium lauryl sulphate containing 1:10000 bromocresol purple pH 7.0 to 7.5,	500 ml	300
493	VBC-48	Carbol fuchsin	primary component of ZN stain - dilute	125 ml	15
494	VBC-49	Carbonate Bicarbonate buffer capsules	Colorless capsule,clear appearance ,weight - 406.8 to 497.2 mg,PH -9.3-9.9	50 Pack	4
495	VBC-50	Cedar Wood Oil	for microscopy - AR Grade	30 gms	170
496	VBC-51	Chloroform	AR grade	2.5 Ltrs	6
497	VBC-52	Citric Acid	AR Grade	500 gms	1
498	VBC-53	Coagulase Plasma	Recommended for studying coagulase reaction in diagnosis of Staphylococci	5 vials/pack	5
499	VBC-54	Copper suphate	AR grade	500 gms	10
500	VBC-55	D-Glucose	AR Grade	500 gms	5
501	VBC-56	Distilled water	For Laboratory use	5 Ltrs	500
502	VBC-57	DMSO	Cell culture grade sterile 10 ml vial	5/pack	2
503	VBC-58	DPX mount	LR grade,	100 ml	16
50	VBC-	EDTA	Ethylenediaminetetraacetic Acid Disodium Salt	100	6

4	59		Dihydrate (EDTA disodium dihydrate) DNAse, RNAse, protease not detected; Molecular biology grade,	gms	
505	VBC-60	Egg yolk emulsion	Sterile stabilized emulsion of egg yolk recommended for use in various culture media, 100ml	5 vials/pack	1
506	VBC-61	Eosin solution	2% W/V AR grade	125 ml	10
507	VBC-62	Extraction reagent - RNA	a ready-to-use reagent, designed to isolate high quality total RNA (as well as DNA and proteins) from samples	100 ml	4
508	VBC-63	Field's stain A&B-500 ml	500ml, it should contain methylene blue, potassium phosphate, disodium hydrogen phosphate Himedia	500 ml	25
509	VBC-64	Field's stain A&B-125 ml	125 ml, it should contain methylene blue, potassium phosphate, disodium hydrogen phosphate Himedia	125 ml	25
510	VBC-65	Formaldehyde	37% SQ grade,	5 Ltrs	20
511	VBC-66	Gention violet	AR grade	100 ml	2
512	VBC-67	Giemsa stain	Azur II eosin 3.000 gm Azur II 0.800 gm Glycerine 125.000 ml Methyl alcohol, absolute 375.000 ml	100 ml	50
513	VBC-68	Glycerine	AR grade	2.5 Ltrs	5
514	VBC-69	Glycerol	Analar/ Extra Pure 2.5 lt. AR/ XLR	2.5 Ltrs	1
515	VBC-70	Grams Stain Kit	Should contain gram crystal violet, gm decoloriser, gm iodine, safranine 0.5%, and basic fuschin 0.1%,	single	15
516	VBC-71	Hematoxylin powder	Hematoxylin Monohydrare ; water KF 5-6%	5g	10
51	VBC-	HiSep	Density: 1.077+ 0.0010 g/ml,Recovery: viable	100 ml	5

7	72		human mononuclear cells (Lymphocytes and monocytes)		
518	VBC-73	Hydro chloric acid	AR Grade (Concentrated)	500 ml	20
519	VBC-74	Hydrochloric Acid	Suprapur Grade Hydrochloric Acid 34-37%, for trace metal Analysis in ICP-MS	500 ml	5
520	VBC-75	Hydrochloric acid 0.1N	AR grade	500 ml	5
521	VBC-76	Iodine	AR Grade,	500 gms	10
522	VBC-77	Iodine Tr. IP	AR grade	500 ml	3
523	VBC-78	Iso Propyle alcohol	Purity (GC) >99%. 2-Propanol > 99%AR grade, 2.5 lit. Disinfectant	2.5 Ltrs	40
524	VBC-79	L Glutamine	Cell culture grade. > 99% (HPLC)	100 gms	2
525	VBC-80	Labolene	Neutral liquid detergent equally effective in hard and soft water. Required for washing and cleaning of Laboratory glass ware, rubber ware etc. It should be mild and effective without causing chemical reaction. 5 Lit	5 Ltrs	20
526	VBC-81	Lactalbumin Hydrolisate	AR grade	500 gms	10
527	VBC-82	Lugols Iodine	AR Grade	125 ml	100
528	VBC-83	Magnesium sulphate	Magnesium sulphate hepta hydrate	500 gms	5
529	VBC-84	McFarland standard set	Each set contains 1 tube of 0.5,1,2,3,4 McFarland standard	Single	15
530	VBC-85	Medium - Cell culture Dulbecco's Modified Eagle	Medium having with l-glutamine and sodium pyruvate and with out Glucose and sodium	10/pack	2

		Medium	bicarbonate. 1Ltr		
531	VBC-86	Medium - Cell culture Eagle's Minimum Essential medium	Eagles minimum essential medium with Earle's salts, L-Glutamine and NEAA without Sodium bicarbonate 1Ltr	10/pack	2
532	VBC-87	Medium - Cell culture Glasgow modified essential medium	With L glutamine and non essential aminoacids and without sodium Phosphate and sodium bicarbonate, suitable for BHK 21 cell lines. 1Ltr	10/pack	10
533	VBC-88	Medium - Cell culture MEM Automod	Autoclavable MEM Earle's salts, without L-glutamine and sodium bicarbonate, powder 1Ltr.	10/pack	2
534	VBC-89	Medium - Robertson cooked Meat	AR Grade	100 gms	15
535	VBC-90	Medium - Soyabean casein digest	I P grade	500 gms	5
536	VBC-91	Medium - UVM(University of Vermont Modification Medium)	For isolation of Listeria monocytogenes selectively and for culture maintenance	500 gms	3
537	VBC-92	Mercapto ethanol	2-Mer capto ethanol, Molecular biology grade,	250 ml	6
538	VBC-93	Mercuric chloride	AR grade	100 gms	5
539	VBC-94	Mercurous nitrate	AR grade,	100 gms	3
540	VBC-95	Merthiolate	AR grade,	10 gms	5
541	VBC-96	Methyl red indicator	AR grade	125 ml	10
542	VBC-97	Methylene Blue (Lofflers)	AR grade	125 ml	50
543	VBC-98	n-Hexane	AR Grade	2.5 Ltrs	5
544	VBC-99	Nitric acid	AR Grade	500 ml	15

545	VBC-100	Nitric Acid	Suprapur Grade Nitric Acid 67-69%, for trace metal Analysis in ICP-MS	500 ml	3
546	VBC-101	Nuclease free Water	Not DEPC treated, DNAse⁄RNAse-Free	100 ml	20
547	VBC-102	Orthophenaline Di Amine Powder	Peroxidase substrate for Elisa procedures. 10 mg substrate per tablet.	10 tablets / pack	4
548	VBC-103	Oxidase discs	Bacteriological differentiation disc for oxidase testing	50 discs/pack	50
549	VBC-104	p-Dimethyl Amino Benzaldehyde	(Ehrlich's Reagent) AR Grade	100 gms	10
550	VBC-105	Peptone Water	Growth medium as well base for carbohydrate fermentation media	100 gms	5
551	VBC-106	Petroleum spirit	AR grade, (Petroluem ether (40°C - 60°C)	500 ml	10
552	VBC-107	Phenapthalein indicator	AR grade	25 gms	5
553	VBC-108	Phenol Red Indicator Powder	AR grade	25 gms	10
554	VBC-109	Phosphate Buffer	A. R. Grade	100 gms	6
555	VBC-110	Phosphate Buffer saline without Tween	Phosphate Buffer Saline 100 tablets, Ph 7.3-7.5, 1 tablet produce 100ml PBS solution,not intended for cell culture, buffer contains 10 mM phosphate, 150 mM sodium chloride.	100 tabs/ pack	50
556	VBC-111	Phosphate Citrate buffer tablets	For substrate buffer preparation in ELISA testing	50 tabs/pack	2
557	VBC-112	Potassium Chloride	AR Gade	500 gm	5

558	VBC-113	Potassium Di hydrogen Phosphate (KH2PO4)	AR Grade	500 gm	5
559	VBC-114	Potassium Permanganate	AR Grade	500 gms	2
560	VBC-115	PropanoI	2- propanol AR Grade	2.5 Ltrs	5
561	VBC-116	Proteinase-K	5ml, free from RNAse,DNAse free, Molecular grade	100 mg	5
562	VBC-117	Pyridine Karl Fisher Reagent	Free from Pyridine & Chlorinated solvents, Typical factor of >5.5 250 ml	2 x 250 ml/pack	4
563	VBC-118	RBC diluting fluid	Clear colourless liquid without any particles. For Erythrocyte count	500 ml	150
564	VBC-119	selective supplement - Nalidixic Acid	An antibiotic supplement recommended for the selective isolation of Pseudomonas aeruginosa from clinical specimens,each vial contains nalidixic acid15mg	15 mg/vial	5
565	VBC-120	Selective Supplement - S.F.P.(Shahidi Ferguson Perfringens)	An antibiotic supplement, recommended for the selective isolation of Clostridium perfringens . Each vial contains kanamycin sulphate 6mg, polymixin B 15000IU.	single	12
566	VBC-121	Selective Supplement - SEC (Shiga toxin E.Coli)	A selective supplement for the isolation of Shiga toxin producing Escherichia coli , each vial contains 7.5mg of selective mixture.	single	12
567	VBC-122	Selective supplement - Tinsdale	Each pack contains part A (contains horse serum 100ml) and part B(contains potassium tellurite 1ml)	Single	3
568	VBC-123	Selective Supplement - UVM(University of Vermont Modification Medium)	An antimicrobial supplement recommended for the selective isolation and cultivation of Listeria monocytogenes. Each vial contains Acriflavin hydrochloride 6mg	single	3

			Nalidixic acid 10mg.		
569	VBC-124	Serum fetal bovine	cell culture tested , sterile, south american origin	500 ml	2
570	VBC-125	Serum Healthy Rabbit	collected from animals 6 months or younger, Sterile filtered	100 ml	2
571	VBC-126	Serum Horse	Donor herd, cell culture tested, Hybridoma tested, sterile filtered	100 ml	5
572	VBC-127	Serum New born Calf	New Zealand origin, sterile filtered, Heat Inactivated	100 ml	2
573	VBC-128	Silver Nitrate	AR Grade	25 gms	2
574	VBC-129	Sodium carbonate	AR grade	500 gms	2
575	VBC-130	Sodium Chloride	AR Grade	500 gms	25
576	VBC-131	Sodium dihydrogen ortho phosphate (NaH2PO4.2H2O)	Excellar/ AR grade	500 gms	5
577	VBC-132	Sodium Hydroxide flakes	AR grade	500 gms	10
578	VBC-133	Sodium hypo chloride concentrate	Solution with minimum 10% chlorine W/V . For the routine treatment of Bio medical wastes.	5 Ltrs	10
579	VBC-134	Stain solution - Leishmans	AR grade	250 ml	150
580	VBC-135	Sulphur powder	AR Grade	500 gms	15
581	VBC-136	Sulphuric acid	AR grade	500 ml	20
582	VBC-137	Supplement - FO (Vitamino Growth) Growth	An enrichment supplement recommended for isolation of Neisseria	50 gms	3
583	VBC-138	Supplement - Antibiotic CTN(CefsulodinTriclosan	An antibiotic supplement recommended for the selective isolation of Yersinia enterocolitica. Each	5 vials/p	1

		Novobiocin) selective	vial contains cefsulodin 7.5mg, triclosan 2mg, novobiocin 1.25mg	ack	
584	VBC-139	Supplement Yeast Autolysate	An enrichment supplement recommended for the cultivation of Neisseria species.Each vial contains Yeast Autolysate 5g,sodium bicarbonate 0.075mg	single	5
585	VBC-140	Surgical Spirit	AR grade	500 ml	100
586	VBC-141	Toluidine Blue	Supplement recommended for detection of deoxyribonuclease activity, 0.1 gm / vial	0.1 gm/vial	3
587	VBC-142	Trypsin	Cell culture grade, , 25 gms 1:250	100 gms	1
588	VBC-143	WBC diluting fluid	AR Grade	250 ml	50
589	VBC-144	Xylene	Excellar sulphur free,	500 ml	10
VBE - LABORATORY EQUIPMENT					
590	VBE-1	Air conditioner split dual inverter type	1.5 ton capacity dual rotary R410A compressor based on inverter technology with 10 year manufacturer warranty. 3 M micro protection filter, energy efficiency ratio minimum 3.6, complete copper condensor , 3 star rating and 1-2 year product warranty MC switch, 4KVA double booster stabilizer, fixing stand with complete installation.	Single	5
591	VBE-2	Aerosol Disinfector	Aerosol Disinfector 5lt capacity, Stainless steel GLP and GMP compliant, electrically operated. Warranty 3 years	Single	5
592	VBE-3	Air curtain	Lock air 4 feet size, Stain Steel body, 220 V, vertical down pumping of air with installation	Single	5
593	VBE-4	Analyser - ESR Digital	Infrared sensor,20 channels, random access,blood level range 50-65mm,0.2mmreadin resolution,touch screen,AC 220V/110v ±10%, 50/60 Hz, 50W 3	Single	15

			years manufacturing warranty		
594	VBE-5	Analyser - Hemotological Semi Automatic along with kits with 0.5 KV UPS	1.The insturment should be Veterinary Bases 3-part Differential hemotology analyser 2. The instrument should have analysyis modes for : 11 Animal Species: Dog, Cat, Horse, Furet, Rabbit, Rat, Mouse, Pig, Cattle, Sheep & Monkey. 3.The instrument should have 18 parameters reported for WBC,RBC, HGB, HCT, MCV,MCH, MCHC, PLT, LYMPH %, MONO%, EOS%, GRA%, LYMPH#, MONO#, EOS#, GRA#, RDW, MPV. 4.The insturment should have automatic probe cleaning after every sample. 5.The instruement must have LJ graphs for quality control. Detailed flag messages, whole blood, pre diluted and capilary mode for Whole Blood. 6. 2 lakhs result storage with 3 hostograms. 7.Rodent proof design, Dual chamber, Impedence method for WBC, RBC and PLT counting. 8.Cyanide free reagents for hemoglobin test. 9.Pre diluted mode avaliable, 4USB ports for keyboard, mouse, External, Printer, barcode reader, external Wifi. 10.Only 2 reagents usage & probe cleaner for probe only. 11.Colour display, Alarms, pop up Messages, Date and Time adjustable sleep mode, Flags Abnormal samples on display. 12.The instrument should have in built thermal printer. 13.Must have supporting UPS for Avoid power interruptions. Kits for estimation of above para meters wich are included equipment specifications	Single	75
595	VBE-6	Analyser- Biochemical Semi-Automated with 0.5 KV UPS	1. Should be automatic by 12 positions filter wheel, 6 standard interference filters ranging from 340 to 620nm [340, 405, 505, 546, 578 &620) and 6 open positions for optional filters. 2. Light Source: Quartz-halogen lamp 12V-20W	Single	5

			3. Should haye following measurement modes, Kinetic with linearity check, Kinetic with linearity check & sample slope blank, 2 point kinetic with or without reagent blank, End-point with or without reagent blank, BioChromatic end point with or without reagent blank, End-Point with sample blank & with or without reagent blank 4. Temperature control by means of Peltier Elements with fixed termperature at 37 degree celsius. 5. Should have flow cell measuring device and inbuilt printer & external printer port should be ayailable and have photometric measurement range 0.1 to 2.3 absorbance 8. Should have facility for reading results on LCD display 9. Should have Quality Control — 2 controls per test, QC survey of last 30 control measurements, Levey Jenning Plot, High/Low Flags 10. Should have a test program memory of 50 or more 11. Flowcell should be metal with quarz windows measuring yolume 30 µl. 12. Should have International Quality Certifications such US FDA (510K)/IVDD/CE or UL etc 13. Dimensions: 40X17X36.5cm [W XHXD)] 14. Weight: should not be more than 9 kg. 3 years manufacturer's warranty with 2 KVA stabilizer		
596	VBE-7	Analyzer - Protein with 3 years Manufacturers warranty	12 place Digestion system: For digestion of animal feed samples , Microprocessor based temperature controller (Ambient to 450°C), Digital display of temperature and time, Casted Aluminium Alloy	Single	4

			Heaters for uniform heating and even digestion, Auto fix exhaust manifold system for absolute fume trapping, FLOW suction assembly for pollution free analysis , Feather touch membrane keys with built in safety features. Distillation system: It should have distillation system for distilling the analyte and should have protection shield to prevent spillage of distillate on the operator. Automatic titration System, Scrubber system to dissolve the acid fumes, Chiller to cool the condenser water.		
597	VBE-8	Autoclave (portable)	Vertical 300mm x 450mm, anodised aluminium, Watts 2 KW, 33Lt capacity,SS,wt 25 kg, cylindrical,350x300mm (dia. x height),1.1 to 1.2Kg./cm2 (15-18PSI) Dome shaped SS lid sealing autoclave with neoprene joint less gasket. Pressure Gauge, Spring Loaded Safety Valve, Dead Weight type Safety Valve and Steam Release Valve. Supported on triod stands with inner container drum.220/230 Volt, single phase, 50 Hz, AC supply.minimum 3 years manufacturer's warranty	Single	6
598	VBE-9	Autoclave vertical	95-120 Litres ,Type-Vertical, Top loading cylindrical Autoclave machine for steam and pressure sterilization Sterilizer Chamber Type-Circular Steriliser chamber material-Double walled SS 304 or higher grade steel Working Pressure of Chamber-20 pound per sqare inch Type of Sterilizer Chamber Door-Heavy duty SS 304, Hinged door Steriliser Chamber door Locking facility-Foot operated locking and unlocking radial system Sterilizer Chamber door Operation:-Manual	Single	5

			Door sealing:-By elastomeric rubber gasket suitable to withstand temperature upto 140 degree C & pressure upto 20-30 psi Type of control system available for Steriliser cycle operation:-Microprocessor based temperature controller with control accuracy ±1.0°C Power supply:-230 ± 10 volt, 50 Hz Audio- visual Alarm facility available for notifying:-Temperature sensor with range 100°C to 300°C, unit should be provided with a low water alarm system as well as steam release valves and safety valves,Cut off automatically when the autoclave is dry Working Temperature-1250C Resolution-0.1°C Range of Pressure Gauge-30 pound per sqare inch Controller-Auto set to 15psi & 121°C Overall Height:-550 millimeter Overall Diameter-750 millimeter Accessories-Water level indicator,Water inlet & outlet valves,Automatic pressure control switch,Mechanical timer,Manual Water Filling & Removal,The unit having a wet heater fitted at the bottom and with capacity more than 4500 W with water capacity in litres more than 120 L,The unit have heater fitted at the bottom and with capacity of more than 3 KW,The unit have heater fitted at the bottom and with capacity of more than 4 KW,The unit have heater fitted at the bottom and with capacity of more than 6 KW,The unit have heater fitted at the bottom and with capacity of more than 9 KW Warranty -5 year manufacturer's warranty with 3-4KW V-guard stabilizer Compliance of Chamber-Chamber Pressure Equipment Directives (PED),EN 13445 norms Quality Compliance available for quality systems-ISO 9001:2000,EN ISO 13485:2003,ISO 14001:2004 Compliance to certification (US FDA/CE certification will be accepted only when the Indian standards/certification like BIS/CDSO/AERB are not available)-CE		
59	VBE-	Bio Safety Cabinet type II	DESIGN AND PERFORMANCE CRITERIA	Single	2

9	10		A. Provide biological safety cabinets with workspace for testing and experimentation of low to moderate risk agents in the Classes and Types indicated, as defined by NSF International NSF/ANSI 49. Class II cabinets shall provide protection of experiment from ambient environment and protection of ambient environment from experiment. B. Biological safety cabinets shall operate in an efficient and sustainable manner. Electrical consumption of new units shall be no greater than: 170 watts for nominal width 3 foot unit; SUBMITTAL Product Data - Biological safety cabinets Biological safety cabinets - Compliance with NSF/ANSI 49 Biological safety cabinets – Operating and Service Manuals Biological safety cabinets – Demonstration Factory Test Reports QUALITY ASSURANCE A. Each cabinet will be certified by UL for electrical safety and integrity. B. Each cabinet will be NSF listed and approved for design, construction and performance. C. A factory test for each cabinet validating proper performance including: 1Cabinet integrity test with pressure decay or soap bubble leak 2. HEPA Filter leak test of downflow and exhaust filters 3. Downflow air velocity and uniformity 4. Inflow air velocity 5. Airflow smoke patterns QUALIFICATIONS Manufacturer Company with minimum ten years documented experience in the construction of NSF Listed and Approved Class II biological safety cabinets. Cabinet shall be an NSF Listed and Approved Class II biological safety cabinet. W ARRANTY a. Installation with 3 years Manufacturer's warranty along with 3kva or 4kva stabilizer against defects in material or workmanship covering		

			parts and labor must be available for a period of three years. Standard exceptions for filters, lamps and glass shall apply. CLASS II TYPE A2 BIOLOGICAL SAFETY CABINETS Exterior dimensions Nominal 3 ft width – 61.8”H x 39.4”W x 31.5”D (1568mm H x 1000mm W x 800mm D) Interior dimensions Nominal 3 ft width - 30.7”H x 35.4”W x 24.8”D (780mm H x 900mm W x 630mm D) CONSTRUCTION A. Cabinet shell shall use steel no less than 19 gauge (0.0394” thick) and validated to meet the NSF performance specification where top front edge shall not move forward more than 0.063 inches (1.6 mm) from the static position when a 250 lb (110 kg) lateral force is applied to the top rear edge and the top of the sides shall not move forward more than the same amount when the same force is applied to the top of the opposite side. B. Unit shall have all metal plenums designed for easy removal at filter change. (Non- metal, fabric type plenums are not acceptable.) To facilitate cleaning, the interior sides and rear wall of the work area shall be of one piece no less than 19 gauge (0.0394” thick) Type 304 stainless steel construction with No. 4 finish. The joins between the side and rear interior walls shall have coved corners of no smaller than 0.406” radii. C. To facilitate cleaning, the interior sides and rear wall of the work area shall be of one piece no less than 19 gauge (0.0394” thick) Type 304 stainless steel construction with No. 4 finish. The joins between the side and rear interior walls shall have coved corners of no smaller than 0.406” radii. D. An efficient means of adjusting the downflow and inflow separately shall be provided. Additional penetrations of the shell of the cabinet should be avoided. PERFORMANCE REQUIREMENTS A. Work access opening inflow velocity: Acceptable operating range 100 – 110 fpm. . B. Inflow compensation controlling inflow velocity with 3% of set value with 100% increase in filter loading. . C. Visual indicator on the front panel for the following features: 1. Compensation reserve capability. 2. Hours of operation		

			3. Inflow velocity display (feet per minute) 4. Downflow velocity display (feet per minute) 5. Night Set-Back mode 6. UV on 7. Receptacles on 8. Operating speed airflow 9. Front window position . D. No HEPA filter leakage ≥ 0.01% of upstream concentration. . E. Downflow velocity ± 5 fpm of NSF/ANSI validated nominal value. . F. All downflow measurements within 20% of average. . G. Separate downflow and inflow velocity flow alarms to signal overall variation greater than 20% from set values. . H. Airflow smoke patterns test acceptable . 1. Downflow is smooth with no dead spots or upward flow. . 2. Smoke released behind view screen moves smoothly down and does not escape from the cabinet. . 3. Smoke released outside the cabinet will not escape from the cabinet once drawn in or billow over the work surface or penetrate onto it. . 4. No smoke released in the work area 2 inches from the window side or top edges will escape from the cabinet. . I. Power consumption: Not to exceed 170 watts for nominal 3 ft width, 200 watts . J. Reduced flow or Night Set-Back mode allowing reduction in airflow and energy consumption while maintaining cleanliness and containment when not in operation. Power consumption during reduced flow or Night Set-Back not to exceed 70 watts for nominal 3 ft 1.1 REFERENCES BIOLOGICAL SAFETY CABINETS Class II, Type A2 Biological Safety		

			Cabinet The publications listed below form a part of this section to the extent referenced. The publications are referred to within the text by the basic designation only. NATIONAL ASSOCIATION OF ARCHITECTURAL METAL MANUFACTURERS (NAAMM) NAAMM MFM (1988) Metal Finishes Manual NSF INTERNATIONAL (NSF) NSF 49 (2007) Class II (Laminar Flow) Biosafety Cabinetry UNDERWRITER'S LABORATORY (UL) UL Standard 61010-1		
600	VBE-11	Bunsen burner with T valve	Galvanized steel body with bronze connector	Single	15
601	VBE-12	Centrifuge	Electrically operated complete with 8x15ml owing out head with 15ml heat resistant glass tubes, Digital Speedometer and timer with 4000-5000 RPM, minimum 3 years manufacturer's warranty	Single	5
602	VBE-13	Chick Feeders	PVC made , capacity for 50 chicks, Tray height: 42mm, Dia: 400mm	Single	10
603	VBE-14	Chick Waterers	PVC made, Capacity 50-75 birds, Bowl bottom Dia:330mm, Lip Space: 40mm & 55mm	Single	5
604	VBE-15	CO2 incubator - MINI	Chamber volume 80litres, infrared CO2 sensor, airjackted ,PID control, 0-20% CO2 range, +/-).1% CO2 control resolution, 5 to 55 degrees temperature range, 2 shelves,internal dimensions(WXDXH in mm):400X450X500, external dimensions(WXDXH in mm):590X687X790, hot air sterilization circulation system, alarm function of temperature difference and CO2 over concentration and concentration diference, door open time, UV working status, utomatic control of fan speed to maintain uniform temperature , PID controller with large LCD screen , microorganism filter at inlet provides 99% filteration of bacteria and dust (<0.3um) and supplies pure	Single	1

			CO_2 into incubator, CO_2 cnentration testoration speed, It should have 3 years manufacutrer's warranty to the unit along with suitable stabilizer and CO_2 regulator kit and 2 CO_2 cylinders.		
605	VBE-16	Crude Fat extraction unit	Ether extract Solvent Extraction System (Six Place Fully Automatic) 1. With auto time temperature integrated programming facility and auto phase change over with PC compatibility feature. 2. Should have 6 place system for 6 fat beakers 3. Microprocessor based digital temperature controller, 4. Casted Aluminium Alloy Heater, 5. 65 to 80% solvent recovery, 6. Independent loading of sample with individual mechanical controls. 7. Unique upward spring loaded movement of individual block for perfect leak proof alignment. 8. Safety Features: Auto over temperature protection, auto Sensor break protection, Auto Error Indication, etc.	Single	4
606	VBE-17	Crude fibre extraction unit	Crude Fibre extraction System (6 place Fully Automatic) 1. Unique and compact design, 2. Should have 6 place system to hold 6 fibre crucibles 3. Easy to handle with less maintenance, 4. Absolute determination with efficient suction mechanism, 5. Inbuilt electrically operated air pump for declogging,	Single	4

			6. Microprocessor based digital temperature controller, 7. Highly efficient, time saving and accurate, 8. Independent sample loading with individual Mechnical controls. 9. Safety features: Auto over temperature protection, auto sensor break protection, auto error indication, etc.		
607	VBE-18	Deep Freezer	Vertical model, 450 Ltr Capacity, - 10 to -25^{0}C with digital display & Low temperature alarms , minimum 3 years manufacturer's warranty	Single	4
608	VBE-19	Double Distillation apparatus - All quartz vertical	All Quartz vertical Double Distillation Unit (Borosil) Electrical requirements:230 Volts 10 / 50 Hz ,Single phase Distillation water capacity (ltr/hr):4 ltr/hr pH value:6.9-7.0 Conductivity (µS/cm):<1.0 Numbers of Built in Quartz heaters (nos):2 Distillation units Type:horizontal Distillate Temperature (0C):67 Biological Activity:Pyrogen free Built in Quartz heater capacity (KW):3.5 Double stage glass (quartz) distillation units:yes Cooling Water consumption (ltr/hr):140 ltr/hr with minimum 3 years manufacturer's warranty	Single	2
609	VBE-20	Egg Drilling Machine	Should drill small holes smoothly without jerky movement 1 year warranty	single	1
610	VBE-21	Electronic Voltage Stabilizer-1KV	1 Kv Capacity input 170 to 270 volts output 200 to 240 volts with 5 amps 3 pin plugs, 1 year warranty.	Single	10
61	VBE-	Electronic Voltage Stabilizer-	2 Kv Capacity with with 12 amps 3 pins plugs, in	Single	10

1	22	2KV	put 170-270 Volts, and output 200-240 volts,1 year warranty.		
612	VBE-23	Electronic Voltage Stabilizer-4KV	4 Kv Capacity with with 12 amps 3 pins plugs, in put 170-270 Volts, and output 200-240 volts, 1 year warranty.	single	10
613	VBE-24	Fire extinguisher	Ceasefire 5 Kg Fire Extinguisher Clean Agent FE 36, Zero ODP, Stored Pressure Type, Pressure Gauge,Gross Weight 3.6 Kg, empty Weight 1.6 Kg, Can Height 341MM, Diameter 108 MM, Discharge Time minimum 6 Secs, Controllable discharge mechanism, Range minimum 2 Meters, applicable on Class A,B,C and electrically started Fire, B Rating 218, Can Construction : Deep drawn & CO2, Mig welded, Valve Construction : Forging & Machining, Internal Coating of Can : Epoxy Powder coating, ExternalCoating of Can : Epoxy Polyster Powder coating, Sheet metalthickness :1.60 MM, Helium Leak Detection Tested. Three Years Warranty	Single	1
614	VBE-25	Fogger –jet 360	360 degree rotation attached with digital timer 1-99min,liquid flow rate 0-60ml/min(variable flow), Stailess steel Tank capacity of 5Liter, Area coverage of upto 15000cu.ft.,liquid filling nipple of stainless steel, with rotation of 1 rpm speed, aerosols of submicron size, intake air filter-tripple stage, with timer 3 years manufacturer's warranty	Single	2
615	VBE-26	Hot Air Oven - Laboratory model	• Double walled construction with Inner SS 304 and Outer Epoxy Powder coated GI sheets • Seamless round cornered internal chamber • Temperature range Ambient +5°C to 250°C	Single	1 No.

			• Accuracy ±0.5˚C • Digital Seven segment LED display. • Microprocessor Temperature control by means of Electronic LED Digital PID controller cum indicator • Equipped with timer (timer bypass option), auto tuning and alarms. • Temperature sensor : PT 100 sensor • Insulation 2” thick with PUF Insulation to maintain the heat. • Best quality heating element at the bottom side of oven (2 sides Optional) • Memmert Type Unit Heaters (Optional) • SS Rod Trays with rust proof material adjustable shelves • With forced air circulation/ inner fan facility for maintaining uniform temperature in the chamber • Air ventilators on both sides of the chamber • Door switch with auto cut off when door opens during operation. • Door is equipped with double tempered glass window to enable user for easy viewing of samples without door opening. • Safety: Over temperature and temperature difference alarm • Silicon food grade gasket Specifications: • Temp. Range: Ambient +5°C to 250°C • Temp. Accuracy: ±0.5°C • Temp. Control: PID Controller • Temp. Display: LED		

			• Temp. Sensor: PT 100 Sensor • Insulation : 2" thick PUF Insulation • Material : Double walled construction with inner SS 304 and outer MS powder coated surface • Door (SS304): Single Door • Volume: 50 L • Shelves: 2 Shelves • Heater in watts: 800W • Power Voltage: 230V 50/60Hz • Inside Dimension (WxDxH) in cm: 35 x 35 x 35		
616	VBE-27	Incubator - Digital Mini	Product Specifications: Capacity: 20L Temperature Range: Ambient –15°C to 60°C (Heating & Cooling Model) Temperature Accuracy: +/-0.5°C (37°C) Temperature Uniformity: +/-1°C (37°C) Dimensions (Internal): wxdxh 26 x 23.5 x 32.5 cm (10.25 x 9.25 x 12.75”) Dimensions (External): wxdxh 33.5 x 37x 47.5 cm (13.25 x 14.5 x 18.75”) Weight: 6.5 kg (15 lbs) Warranty: 2 years Electrical: 100-240VAC, 50/60Hz	Single	5
617	VBE-28	Laboratoy work stand - Powder coated	MS powder coated table with 20 mm thick granite top. Size 3 FTx 1.5 FTx 3 FT (Lx W x H)	Single	6
618	VBE-29	Laminar Airflow cabinet	4'x2'X2' (LXWXThickness) Vertical unit,maintenance free design and structure,provide laminar air flow&uniform air velocity.built in UV and fluorescent lamp, air and gas cock and power connections. one piece Cabinet without separate stand. easy movable. Exterior:epoxy powder coated electro galvanized steel, Interior:high clean SS 304. Tempered safety glass sliding door with high quality cleanliness UV protectant, Vibration free with low noise level(55-60dB). Microprocessor digital	Single	2

			controller with LCD back light display. Dimensions: inner: 890X550X650 mm3 : Outer 1050X800X1880 mm3. Air volume: 980m3/h. 9 stage velocity control, total using timer, UV/FL lamp on /off. HEPA filter class 100, purity 0.3 Um particle removal. Air flow velocity : 0.3 – 0.6 m/sec., minimum 3 years manufacturer's warranty		
619	VBE-30	Micro Centrifuge palm size	Should have 6000rpm, virtually can fit palm of hand, ideal for quick spin downs of microtubes and pcr tubes, rotor quickly decelerates when lid opened to stop , 8 position microtube rotor, near silent operation,, starts and stops in seconds, conserves valuable bench space, should have 12X1.5 / 2ml rotor and rotor suitable for 0.2ul PCR tubes, minimum 3 years manufacturer's warranty	Single	3
620	VBE-31	Microscope - Compound	Bright field Binocular Microscope with coaxial focusing and LED illumination Optical System: Finite color corrected optics with anti-fungus treatment, uniformly centered, interchangeable & Par focal Body: critical movements based on ball bearing for smooth & precise movements and base support with anti vibration grips. Mechanical Stage: Co-axial low drive mechanical stage (125mm x 145mm) (±5mm) with single or double side holder. Focusing System: Co-axial coarse & fine controls coarse focus range 20mm with focus stop mechanism. Condenser: Centerable condenser with position condenser aperture iris diaphragm with a removable	Single	25

			blue filter for daylight observation. Illumination: Option 1: Base with variable intensity control system: 3W LED light source (warm, daylight equivalent) (with battery back-up) High brightness, long life (30,000 hrs). Battery back-up in-built NiMH rechargeable batteries Provide 2 to 4 hrs back-up on full charge. Nose Piece: Dust protective quadruple revolving nosepiece based on precision ball-bearing mechanism with positive click stop. Objectives: Pre centered, interchangeable & par focal tropicalized anti fungal treated semi plan achromatic Objectives 4X, 10X, 40 X and 100X (Oil spring loaded) inclined observation head: 45 degree inclined binocular head, 360 degree rotatable observation tube. Eye piece: (wide field) paired WF 10 X (FN 18 mm) eyepiece. Same Microscope should be upgradable for trinocular head with camera attachment, phase contrast up to 100 X and dark field.		
621	VBE-32	Microscope - Tab Digital	Upright bright field, digital portable microscope with integrated tablet display (no eyepiece), application and research grade optics, Detachable tablet slot Robust opto-mechanical system for field use without alignment issues Dimensions: 18cm (W) x 19.5cm (L) x 18cm (H) excluding display screen Weight: <3 kgs True View technology for capture of 100% circular field of view through the tablet camera, Quadruple outward facing nosepiece	single	14

			Four high contrast plan achromate objective lenses – 4x, 10x, 40x, 100x oil immersion, Internal magnification 10X with the following captured FoV: 5 mm with 4x objective, 2 mm with 10x objective, 0.5 mm with 40x objective and 0.2 mm with 100x objective 1.25 NA condenser; 1 watt LED illumination with intensity control Rackless X-Y stage Coaxial coarse and fine focus knobs on both sides Inbuilt rechargeable lithium ion battery with 15 hour backup, DC adapter for charging, Provision for backup power supply to tablet from battery Tablet with maximum camera resolution of atleast 3264x2448 pixels and 9.7” display with 2048 x 1536 pixels resolution; 2/3GB RAM, 32 GB ROM Full HD video capture at 1920x1080 pixels Pre-installed application with following features: • Data management • Image capturing • Video recording • Exposure, brightness, saturation, temperature and contrast control • Micrometry – linear and circular measurements in microns • Free hand marking and pointer for demonstration • Profile creation for separate users • Variable resolution of upto 8 MP Wireless HDMI dongle for lag-free real time casting to projector or LCD screen 1 year warranty, Padded carry bag with compartments Accessory kit comprising of lint-free cleaning cloth,		

			dust cover and immersion oil.		
622	VBE-33	Moisture Analyzer - Karl Fischer. Digital Automatic	Water content measuring range: 50 PPM to 100%, Drift Control: Automatic Drift Compensation,Drift Control: Automatic Drift Compensation, Factor Determination: Water and DST method, Micro controller Based titrator suitable for accurate estimation of moisture, Incorporated with maintenance free metering pump, Valve-less Dispenser eliminates the need of cumbersome piston Burnett, No refilling is necessary after every titration, Several titrations can be carried out uninterruptedly, Supports both Water and DST method for factor determination,Automatic Calculations of Factor and Results, Results in Percentage, PPM and mg of H2o,Password protection facility provided, Equipped with inbuilt volume validation facility, RS 232 serial port for balance and PC interface,Veego/ Matic- MD, 3 years manufacturing warranty	Single	4
623	VBE-34	Muffle furnace	Inner Chamber Size: 300 x 300 x300 mm (12” x 12” x 12”) Rating: 7.5 KW, Operating Temperature Range: Ambient +5 to 800˚C Max. Temperature: 930°C, Heating Element: Kanthal A1 coils Insulation: Ceramic fibre blankets, Temperature Control: Digital Temperature Controller Cum Indicator, Power Supply: 220 Volts 1 phase, 50 Hz, AC Supply ** Additional features : There should be timer and alarm for set temperature and time	Single	1

624	VBE-35	Nucleic acid extractor - Automatic	• Capable of processing max of 32 samples and a minimum of one sample within short span of time. • Should allow extraction of high quality nucleic acids within 30 to 45 minutes. • Working principle: Magnetic beads method • Process volume: 50 to 1000µl • Sample Volume: Range 25 to 400µl • Elution Volume: 30µl • Purification accuracy: 100 copy sample positive rate > 95% • Sterilization: UV light • Exhaust way By Fan • Data storage Available, with built-in SD card • Max. input power 300W 450W • Dimensions: 560mm × 620mm × 500mm	Single	1
625	VBE-36	Flying insect control system Electrical	Removable Catchment Tray for Dead Insect Bodies, Easily Cleanable Without Insect association, 20W Model - Dimension (cm) : L x B xH 40 x10 x30, 1 Year Manufacturer Warranty	Single	10
626	VBE-37	pH meter	Warranty (Year)-3 Impact Resistant-No Ingress Protection, Water Tight-IP65 Storage pocket for pH electrode-Yes System to be supplied with Measuring electrode combined & glass calomel, temperature probe, Electrode Stand, calibration buffer and maintenance kit, operation manual, power cable and plug-Yes Type-Microprocessor Based Display-LED / LCD / Touch Screen, 3 digits Calibration-1 to 3 pH Range (pH)--2.00 to 16.00	single	1

			Accuracy (pH)-±0.01 Corrosion Resistant-Yes Power Requirements-Universal AC power adapter, 90-260 VAC, 50-60 Hz Modes-pH mV- C Parallel temperature indication-Yes Temperature Compensation Type-Automatic Temperature Accuracy (Degree C)-±0.05 Temperature Compensation Range (Degree C)-0 to 100 Resolution (pH)-0.01,0.1 Operating Humidity: RH in (%)-85 Operating Temperature (Degree C)-25		
627	VBE-38	Pressure Coocker (12 lit capacity)	Non- induction base, Made of Alluminium, Outer lid with handles and gasket , Outer lid & base thickness :3.75 mm , Weight: 2.55kgs, Colour: Silver, 5 years manuefacturing warranty	Single	150
628	VBE-39	Spectrophotometer with nanodop for quantification of nucleic acids	• Should measure purified DNA, RNA, and protein concentration up to 30 Abs • Up to 1,500 ng/µL dsDNA • Up to 1,200 ng/µL RNA • Up to 45 mg/mL BSA • Should Calculate critical A260/A280 and A260/A230 purity ratios • Measurements should be fast and accurate from only 1-2 µL to saves precious samples, • The sample should be held in place during measurement • Measurement should be done on the sample directly without cuvettes • Should have Intuitive interface and Built-in touchscreen operation,	single	1

			• Should be amenable for data storage and exportation ofdata to a USB device • Should save atleast 1000 measurements locally; • Construction : Instrument Control : Local control Minimum Sample Size : 1 µL Pathlength(s) : 1.0 mm and 0.2 mm (automatically adjusting) Light Source(s) : Xenon flashlamp Wavelength Range : 230 nm, 260 nm, 280 nm Wavelength Accuracy :± 1 nm		
629	VBE-40	Storage Cabinet for medicines with Steel Shelves	Size 916 mm width, 486 mm depth,1980 mm Height, ± 5mm including 4"pedestal with height adjustment leveler. Construction with virgin CRCA Steel Sheets of 0.8mm thk for backside & shelves 0.8 mm thk HSCR sheet for doors & 0.9 mm thk CRCA for all other components, one locker compartment & four open compartments with adjustable shelves. net wt:73kg ± 2kg, finish: all surface epoxy powder coated to the thickness of 50 microns ±10 (as per IS 13871) with phosphate treated pre finish (as per IS 3618)	Single	2
630	VBE-41	UPS online 3 KVA with quantas batteries 3hrs backup	3 KVA Capacity with Quanta Batteries of 55AHcapacity with manufacturer's warranty with 3 hours backup	Single	5
631	VBE-42	UPS online 1KV Battery 1hr backup	Equipped with a quanta battery .The output power capacity of the UPS is 600 Watts/ 1000VA and nominal output voltage is 230V.with manufacturer's warranty with 3 hours backup	Single	5
632	VBE-43	Vacuum cleaners	• Powerful suction and blower function • Dual functions for collecting dry dust and wet	Single	2

			spills and wide range of accessories to suit varied cleaning needs • DIMENSIONS (MM) (WxDxH) : 505 x 390 x 405 • Specially designed 360 degree swivel wheels for easy movement • Larger capacity of plastic container for water-8 litres and dust-10 litres collection • Automatic cord winder for convenience, The long power cord, flexible hosepipe and extension tubes facilitate easy and convenient cleaning within a radius of 8 mt around the power plug • Convenient 8 meter radius of operation. Blower efficiency: 650 litres/min • Power: 1150 watts. Suction of Motor-1800 mm of water column. Voltage-230 V AC, 50 Hz		
633	VBE-44	Vacuum tester	BD 50 E, Heavy Duty Spark Tester output 20000-50000 volts at frequency approx. 0.5 mega Hz for detecting vacuum leaks in lyophilised vials	Single	1
634	VBE-45	Waterbath - Digital	304 SS Bath & Lid. control of Delay and Operation Time. Digital Timer. Digital Control System for Temp. Accuracy. Digital LCD with Back-Light. Storage for Set Values of Temp.&Timer. Locking Mode Supported Experimental Safety. CE Certified with Certificate & Traceability, 1 year warranty	Single	2
635	VBE-46	Waterbath adjustment from 30°C to 100°C	• Double walled with Inner SS 304 & Exterior GI Powder Coated Shade in REGULAR MODEL. • Fully argon welded for leak proof durability & elegant in design. • Inner & Outer SS 304 Matt/Buff mirror finish in	single	4

			GMP MODEL. • Compressed glasswool insulated in between the walls to minimize the heat loss. • Heating by 'U' type SS Water Heater. (ISI Marked) • Concentric rings to use flask from 50ml to 500ml capacity. • Perforated false bottom platform of SS provided. • Microprocessor based PID Temp. Controller with Dual Digital Indicator & PT – 100 sensor. • Temp. Range :- 5°C Above ambient to 99°C. • Size : Provision to accommodate 8 beakers of 100ml capacity with shaking capability		
636	VBE-47	Weighing Balance - Electronic	Readability 0.1 mg, Weighing range 10 mg to 220 gms, Pan size 80 mm with LED Display along with Calibration and Validation Certificates	single	1
637	VBE-48	QFX Fluorometer	Dynamic Range & Sensitivity: 0.5 pg/µL – 4000 ng/µLdsDNA , 250 pg/µL – 1500 ng/µL RNA, four channels: UV, Blue, Green, and Red Fluorescence,Wi-Fi, USB, Email, Ethernet, storage capacity USB 32GB, 21 CFR part 11 software, measuring time 2 sec, minimum sample volume 1 microlitre, 2 -point standard or customisable 2-8 standards curves options, compatible to kits of Denovix, thermo Qubit, Promega assays, UV assays inclues Alexa flour 405, Hoechst 33258, DAPI,eBFP, 7-hydroxy 4-methlcoumarin and 4-methyllumbelliferyl B-D-galactopyranoside, display 7 inch touch screen , easy method development, warranty 2 years along with broad range ds DNA	single	1

			assay kit in 2 numbers		
VBG- Laboratory Glassware					
638	VBG-1	Beakers-100 ml	100 ml with spout, Complies with IS 2619 / ISO 3819 and DIN 12331, High resistance to chemicals,Heat, Double graduation metric scale, 50X70mm	single	40
639	VBG-2	Beakers-1000 ml	1000 ml with spout, Complies with IS 2619 / ISO 3819 and DIN 12331, High resistance to chemicals,Heat, Double graduation metric scale, 105X145mm	Single	50
640	VBG-3	Beakers-2000 ml	2000 ml with spout, Complies with IS 2619 / ISO 3819 and DIN 12331, High resistance to chemicals,Heat, Double graduation metric scale, 130X185mm	Single	50
641	VBG-4	Beakers-250 ml	250 ml with spout, Complies with IS 2619 / ISO 3819 and DIN 12331, High resistance to chemicals,Heat, Double graduation metric scale, 70X95mm	Single	50
642	VBG-5	Beakers-50 ml	50 ml with spout, Complies with IS 2619 / ISO 3819 and DIN 12331, High resistance to chemicals,Heat, Double graduation metric scale	Single	50
643	VBG-6	Beakers-500 ml	500 ml with spout, High resistance to chemicals,Heat, Double graduation metric scale, 83X115mm	Single	50
644	VBG-7	Conical flasks-500 ml with screw cap	500 ml, High resistance to chemicals,Heat, screw cap made of polypropylene, neck specification GL45	Single	50
645	VBG-8	Conical flask without screw cap 100 ml	Flasks, Erlenmeyer, conical , Narrow mouth. 64X105mm dimensions. Neck O.D 22mm	Single	50
646	VBG-9	Conical flasks 250 ml without screw cap	Flasks, Erlenmeyer, conical , Narrow mouth. 85X145mm dimensions. Neck O.D 34mm	Single	50
64	VBG-	Conical flasks 500 ml without	Flasks, Erlenmeyer, conical , Narrow mouth.	Single	50

7	10	screw cap	105X180mm dimensions. Neck O.D 38mm		
648	VBG-11	Cover slip - Circular / Square	The cover glass will have square / round shape, size 18 mm/ 22 mm/70 mm. Each box should have 10 gm of cover glass	(10 gms/ box)	1000
649	VBG-12	Cover slip - Rectangular	Rectangular 22mmX60mm, glass	(10 gms/ box)	1000
650	VBG-13	Funnels - Glass -75 mm	Borosil 75 mm diameter	5/pack	10
651	VBG-14	Funnels - Glass- 100 mm	Borosil 100mm diameter	5/pack	10
652	VBG-15	Glass rods	Trasparent borosilicate glass stirring rod for mixing solutions 15 cm length	Single	50
653	VBG-16	Hanging drop slides	For observing hanging drops. Should have polished round depressions 15mm in diameter and 1mm deep. Available with either one or two depressions.76 x 25 x 1.25mm	100/pack	2
654	VBG-17	Measuring cylinders	100 ml Borosilicate glass, Graduated with 1 ml increments	Single	50
655	VBG-18	Microscope Slides	Made from optically clear flat glass, uniform thickness of 1.35 mm, 75 mm long and 25 mm wide with ground edges and lint free packing.	50/Box	1000
656	VBG-19	Microscopic slides-Frosted	white colored frosted one end one side (76x26x0.95mm),50/box	50/Box	500
657	VBG-20	Petri plates glass 80X15mm	Glass, Autoclavable 80x15mm	Single	100
658	VBG-21	Pippette - Glass	Borosil . Gradation from 0 to 5 ml with 0.5 ml increments	Single	50
659	VBG-22	Pippettes - Glass	Borosil . Gradation from 0 to 10 ml with 0.5 ml increments	Single	50
66	VBG-	Poly-L-Lysine Coated	Slides should be coated with Poly-L-Lysine to permit	72/box	10

0	23	Microscope Slides	electrostatic coupling of sample to slide. The relative adhesion level should permit easier manipulating of samples than with silane coated slides. Use of Poly-L-Lysine Microscope Slides should not affect staining procedures. Dimensions: 25mm x 75mm x 1mm		
661	VBG-24	Reagent bottles - Amber coloured 250 ml	Amber coloured reagent bottles wide mouth, graduated, with screw cap and pouring ring with interchangable stopper Capacity, Amber coloured reagent bottle narrow mouth with inter changeable flat head stopper,complies with IS 1388(part II), ISO/DIN 4796 (part II), have durable mint matt-finished enamelled area for marking, protection media from light sensitive media with wave length between 300nm and 500nm, properties within the bottle remain unchanged, as colour is applied only on external surface, screw caps made of poly propylene and autoclavable, 70X138mm- 250ml	250ml bottle	50
662	VBG-25	Reagent bottles - Amber coloured 500 ml	Amber coloured reagent bottle narrow mouth with inter changeable flat head stopper,complies with IS 1388(part II), ISO/DIN 4796 (part II), have durable mint matt-finished enamelled area for marking, protection media from light sensitive media with wave length between 300nm and 500nm, properties within the bottle remain unchanged, as colour is applied only on external surface, 86x176mm, 500 ml	500 ml bottle	50
663	VBG-26	Reagent bottles with autoclavable caps-1000mI	1000 ml made up of type 3.3glass,low alkali borosilicate free of heavy metals and withstand 400 centigrade temperature, resistant to water, concentrated acid and alkali solutions	Single	50

664	VBG-27	Reagent bottles with autoclavable caps-100mI	100 ml made up of type 3.3glass,low alkali borosilicate free of heavy metals and withstand 400 cetigrade temperature, resistant to water,concentrated acid and alkali solutions	Single	50
665	VBG-28	Reagent bottles with autoclavable caps-500mI	500 ml made up of type 3.3glass,low alkali borosilicate free of heavy metals and withstand 400 cetigrade temperature, resistant to water, concentrated acid and alkali solutions	Single	50
666	VBG-29	Reagent bottles with autoclavable caps- 250mI	250 ml made up of type 3.3glass,low alkali borosilicate free of heavy metals and withstand 400 centigrade temperature, resistant to water, concentrated acid and alkalisolutions	Single	50
667	VBG-30	Spirit lamp	Spirit Lamp, Glass made	Single	10
668	VBG-31	Test tubes glass with rim 3 ml	made of glass, Complies with IS 2618, ISO / DIN 4142	Single	100
669	VBG-32	Test tubes glass with Screw cap 15 ml	15x125mm with rim, 15 ml,Complies with IS 2618, ISO / DIN 4142	Single	100
670	VBG-33	Test tubes glass with rim 30 ml	Size 18x150 mm, 30ml cap,Complies with IS 2618, ISO / DIN 4142	Single	100
671	VBG-34	Test tubes glass without rim 10 ml	1.5 cm diameter with rim 15X125 mm 10 ml capacity	Single	500
672	VBG-35	Watch glass	100 mm diameter, glass,	single	100
VBM - MISCELLANEOUS LAB ITEMS					
673	VBM-1	Alluminium foils	9mts X 30 Cms X 0.02 MM thickness	single	50
674	VBM-2	Blotting Papers	for all general laboratory purposes like absorbing water, prevent laboratory spillages, keeping glassware on surface or drying glass as well as laboratory plasticware. Each bundle contain 500	500 sheets/ bundle	15

			sheets		
675	VBM-3	Bio hazard bags-12''x24'' Autoclavable	thick, high strength, high temp. resistant autoclavable bags labeled with biohazard warnings and QR code for unique identification - size 12"X24",Assorted colors	100/pack	5
676	VBM-4	Biohazard bags -24'' x 36" Autoclavable	thick, high strength, high temp. resistant autoclavable bags labeled with biohazard warnings and QR code for unique identification - size 24'' x 36",Assorted colors	100/pack	5
677	VBM-5	Bottle top filtration system	Should fit on the standard reagent bottle,Filtration capacity:0.5 to 1 L, Autoclavable and reusable, Should be amenable to use with positive and negative pressures. Should be able to hold 42 mm membrane filter	Single	2
678	VBM-6	Butter paper	for wraping of glass ware during autoclave and Dry heat sterilization.0.2mm thickness	Single	1500
679	VBM-7	Cell Culture Plates	size 96 wells, polystyrene plate, flat bottom, (individually wrapped), sterile, with lid (low evaporation)	50/Pack	10
680	VBM-8	Clean Room Coveralls, Fully hood - slotted cap and Overshoes (Ankle - hold) with PVC sole	Steriwear/Bunny suit Non-static, Non-linting pure Decron monofilament yarn/ 50% DACRON 85d + 50% NOMEX 40 TL dual filament yarms weight 100 gm/ 85 gm per sq m 150 cycles of wash & autoclave as per schedule	Single	110
681	VBM-9	Controls for Semi Automatic Haematology Analyzer	Quality Controls for all the parameters of Semi Automatic Haematology Analyzers (Mindray)	Single	4
682	VBM-10	Coplin jars	Polypropylene staining coplin jar 75X25mm with lid for holding 5 to 10 slides	single	100
683	VBM-11	Cotton Sterile (Absorbent)	Cotton absorbent, Sterile, 100 gm X 5	Single	25
68	VBM	Cotton Wool (Non-	400 gm net weight, interlined	Single	25

4	-12	Absorbent) I.P			
685	VBM -13	Cryo gloves	To protect hands and arms when working in ultra-cold environments. Mid Arm XL, 1pair.	1000 pairs /pack	2
686	VBM -14	Cryobox -100 places-1,1.8ml	Autoclavable, 100 places; 1 & 1.8 ml capacity,made of Polycarbonate	4 / pack	10
687	VBM -15	Cryobox -25 places-5ml	Autoclavable, 25 places; for 5 ml micro tube made of Polycarbonate	4 / pack	10
688	VBM -16	Cryobox-25 places-1,1.8ml	Autoclavable, 25 places; 1 & 1.8 ml capacity, made of Polycarbonate	8 / pack	5
689	VBM -17	Cryotags	For labelling plastic and other material for cryogenic storage 1.28 inches x 0.50 inches	1000/pack	5
690	VBM -18	Deep Well 96 well plates 1ml	U bottom, 1ml working volume, Polypropylene, Autoclavable, with Lid,	5/pack	20
691	VBM -19	Desiccator 200mm	All clear Dessicator Vaccum, Dia 200mm/300mm, hold 29inch of mercury for 24hrs without grease application, 3way polypropylene teflon key, port accept 6.35mm id tube for vaccum suction	Single	2
692	VBM -20	Diluent for Semi Automatic Hematology analyzer	Reagents suitable for semi automatic haematology analyzers Diluent-Mindray	20 L	5
693	VBM -21	Disposable overall	Gown type, 120cm length, full hands with cuffs, back open, with tieing threads provision	single	1000
694	VBM -22	Egg candler	Hand type	Single	2
695	VBM -23	Extraction kit - DNA from blood	Dneasy blood & Tissue kit 250 Rxns	250 Rxns /kit	10
696	VBM -24	Extraction kit - DNA from Tissue	Nucleospin tissue 250 Rxns	250 Rxns/kit	5
69	VBM	Extraction kit - PCR RNA	NucleoSpin® RNA plus	50	4

7	-25			Rxns/ kit	
698	VBM -26	E-Z cleanser for Semi Automatic Hematology analyzer	Reagents suitable for semi automatic haematology analyzers E-Z Cleanser (Mindray)	4 X 50 ml /pack	5
699	VBM -27	Facemasks - Disposable	Disposable Soft and skin friendly. Should have elastic threads to wear, 3Ply Non-Woven Fabric	100/Pack	200 packs
700	VBM -28	Filter cartridge	5 microns thread type catridge for R.O plant with flow rate of 1.6 mts. Cube per hour, 20 inch long and 6 inch diameter, spun bounded type	Single	4
701	VBM -29	Filter paper - Whatman grade 40	Cellulose filter paper Grade 40, 18.5 C.M	100 /Pack	10
702	VBM -30	Filter paper - Whatman-Grade 41	Cellulose filter paper Grade41, 18.5 C.M	100 /Pack	10
703	VBM -31	Filter paper - Whatman-Grade 42	Cellulose filter paper Grade 42, 18.5 C.M	100 /Pack	10
704	VBM -32	Filter paper - Whatman-Grade-1	Cellulose filter paper Grade -1, 18.5 C.M	100 /Pack	10
705	VBM -33	Filter tip, sterile 10µl	universal Fitted with finest porous plastic filter membrane, filters are free of particles, starch and surfactants, RNAse/DNAse,pyrogen free,10µL	1000/pack	40
706	VBM -34	Filter tip, sterile 200µl	universal Fitted with finest porous plastic filter membrane, filters are free of particles, starch and surfactants, RNAse/DNAse,pyrogen free,200µL	1000/pack	30
707	VBM -35	Filter tip, sterile 1000µl	universal Fitted with finest porous plastic filter membrane, filters are free of particles, starch and surfactants, RNAse/DNAse,pyrogen free,1000µL	1000/pack	10
708	VBM -36	Filters - Cellulose acetate (0.22micron)	made of cellulose acetate for filtration of medium 47 mm diameter	100/pack	5
709	VBM -37	Filters - Minisart syringe (0.22micron)	Sterile individually packed 0.22micron syringe filters	50/pack	5

710	VBM-38	Filters - Minisart syringe (0.45micron)	Sterile individually packed 0.45 micron syringe filters	50/pack	5
711	VBM-39	Flame Gun	Should be easy to use, carbon less force full flame, to disinfects the micro bacteria, 4 burners with 5 meter connecting tube for LPG Cylinder	Single	2
712	VBM-40	Forma Guard Formalin Neutralizing Pads	Pads provide an effective way for lab personnel to guard against formaldehyde vapors. The FormaGuard™ Pad is light blue, rigid, polycoated, and roughly 1/8" in thickness. Medium size 11" x 15"	25/pack	10
713	VBM-41	Gauze cloth	1 mt. X 4 mt., closely woven, Absorbent	Single	5
714	VBM-42	Geobacillus Stearo thermo philus spore strips	Geobacillus Stearothermophilus Biological Indicator Strip for steam sterilization; 10^6 spores per strip; Storage - Store below 30°C	Single	30
715	VBM-43	Gloves Nitrile long cuff	touch Ntuff long cuff nitrile gloves, 5mil,12 inches, size Assorted	50 pairs/ pack	5
716	VBM-44	GN(gram negative) cards	for identification of Gram negative organisms in Vitek compact 2.0	20 cards /pk	5
717	VBM-45	GP(gram positive) cards	for identification of Gram positive organisms in Vitek compact 2.0	20 cards /pk	5
718	VBM-46	ANC (Anerobic) cards	for identification of anaerobic organisms in Vitek compact 2.0	20 cards /pk	1
719	VBM-47	Haemoglobino meter	(Sahli) Complete kit	Single	15
720	VBM-48	Hand Disinfectant Gel	62% denatured Ethanol, 3.3% 2-Propanol, Gel with Moisturiser	500 ml	25

721	VBM-49	Hand held smart strip based somatic cell counter	For quantitave measurement of somatic cells in fresh milk samples of bovines in sub clinical and clinical mastitis with a hand held portble blue tooth connected , smart phone integrated. Should have measuring range of 100-1200 cells / micr litre.	Single	15
722	VBM-50	Head caps - Buoffant Disposable	A loose cap, typically secured around the head with an elastic to contain loose hair. Made of PP spunbond non-woven with elastic, bio degradable.	100/pack	15
723	VBM-51	Heamo cytometer	Neubauer-improved counting chamber without clamps depth 0,1 mm	Single	15
724	VBM-52	HENKE-JECT TBC needles	needles, 0.70 x 4 mm (12 pcs/plastic box), 22G X1/8"	12/box	2
725	VBM-53	HENKE-JECT TBC syringes	Syringe in new size 2.0 ml developed especially for tuberculin testing. Metal and glass plunger with high-stability plastic grip• Highest dosing precision = 0.1 ml by pressing the lever. Modern and ergonomic design. . Safe and easy handling. Biocompatible. Autoclavable (sterilisable at 134 °C). With Replacement cylinder 2.0 ml and Replacement barrel 1.8 ml (old design). needles, 0,7 x 4 mm (12 pcs/plastic box)	12/box	5
726	VBM-54	Ice packs-120g	120g Hi- Igloo gel packs,	100/pk	5
727	VBM-55	Ice packs-450g	450g Hi- Igloo gel packs	100/pk	5
728	VBM-56	IDEXX E-Z prep Pipetter	for veterinary use only, for filling IDEXX vet tubes.	Single	20
729	VBM-57	IDEXX vet tubes	for Veterinary use only, each kit contains 10 venous blood tubes,	10 tubes/ kit	20
73	VBM	IDEXX VetTrol Control	VetTrol Control is a lyophilized, bovine-based	Single	4

0	-58		control fluid, specially formulated for use on IDEXX VetTest, VetLyte and Catalyst analyzers.		
731	VBM -59	Immersion Oil-Type	Immersion specific for / nikon/microscope/-TypeF, 30 ml, single	30 ml	100
732	VBM -60	Indicator tape for Hot air oven	cloth-textured tape that can stick to any surface or shape and can withstand acids, alkalis, oils and greases, Indicate blue colour at dry heat 160° C. imprinted with heat-sensitive indicator ink. 10 mm X 5 mts	Single	10
733	VBM -61	Kim wipes	Delicate Task Wiper of size 4.5"x8.75", 280 wipes per pack,Wipes clean and exhibits low linting characteristics,Antistat, Easily wipes up liquid and dust	280 wipes/ pack	20
734	VBM -62	Kit One step RT PCR kit for blood	Superscript III one step RT-PCR system with platinum TAQ DNA polymerase	50 Rxns/kit	5
735	VBM -63	Kit One step RT PCR kit for tissues	PrimeScript™ One Step RT-PCR Kit, Ver.2 (Dye Plus)	50 Rxns/kit	20
736	VBM -64	kit PCR for theileria	Qualitative conventional PCR kit which results in amplification of Theileria specific gene using specific primers to provide rapid, sensitive and specific detection of Theileria.	50 Rxns/kit	20
737	VBM -65	Kit PCR Viral DNA/RNA extraction and IBR RT-PCR probe base kit	Combo kit of viral DNA/RNA extraction with Infectious Bovine Rhinotrachetisis (IBR) Probe PCR kit	50 Rxns/kit	50
738	VBM -66	Kits - ELISA - Capripox antibody detection	Double Antigen ELISA for the detection of antibodies against capripoxviruses including lumpy skin disease virus (LSDV), sheeppox virus (SPPV) and goatpox virus (GTPV) in serum or plasma from	5plates /kit	5

			cattle, sheep, goats or other susceptible species.		
739	VBM-67	Kits - ELISA - Avian Influenza Antibody detection	It should detect AIV (Avian Influenza Virus speic antibodies in Chicken, turkey, goose or duck serum. 96 wells	5 Plates/ Pack	4
740	VBM-68	Kits - ELISA - Bluetongue Antibody C Elisa Antibody detection	Competitive ELISA for the detection of anti VP7 antibodies against Bluetongue in serum, plasma from sheep, goats, cattle, or other suscitible species 8 X 12 strips	5 Plates/ Pack	2
741	VBM-69	Kits - ELISA - Bovine Interferon Gamma for Tuberculosis	It should be sensitive and specific test for detection of Mycobacterium bovis IFN-ɣ quantitatively in one day in sera and plasma (5 plate pack with reagents)	5 Plates/ Pack	2
742	VBM-70	Kits - ELISA - Calssical swine fever antigen capture ELISA kit	Antigen capture ELISA against Erns protein of CSFV to detect the antigen in swine serum, plasma and tissue samples with high sensitivity and specificity comparable to PCR testing of individual samples.	2 plates/ kit	3
743	VBM-71	Kits - ELISA- Bovine Viral Diarrhoea (BVD) Antibody detection	Competitive ELISA for the detection of antibodies against BVD/ MD/ BD virus p80-125 protien in serum, plasma, milk (individual or bulk samples) from sheep, goats, cattle, or other suscitible species 96 wells	5 Plates/ Pack	2
744	VBM-72	Kits - ELISA Bovine Viral Diarrhea (BVD) Antigen Detection	Sandwich ELISA for detection of BVDV/ BDV P80 (NSP2-3) protien in serum, plasma, peripheral blood monoclear leukocytes, tissue extracts or nasal swab samples from cattle, sheep, goats or other susceptible species 96 wells	5 Plates/ Pack	5
745	VBM-73	Kits - ELISA Brucella Competitive Elisa Antibody detection based on s-LPS antigen	should be able to differentiate between vaccination antibodies(S19) and those that result from Brucella infection.	2plate/ pack	5
74	VBM	Kits - ELISA- Brucella Indirect	It shoud be sensitive and specific test for detecting	5	10

6	-74	ELISA antibody detection in serum and plasma	antibodies against Br.abortus B.melitensis and B.suis in serum anbovine, ovine, caprine and porcine sps, (individual samples or pools of up to 10). (96 wells)	plates/ pack	
747	VBM -75	Kits - ELISA- Classical Swine Fever Antibody detection	It should detect Classical Swine fever virus (CSFV) specific antibodies in swine sera or plasma. 96 wells	5 plates/ pack	10
748	VBM -76	Kits - ELISA- Infectious Bovine Rhinotracheitis gE Competitive Elisa Antibody detection	It should detect antibodies against the gE protien of the bovine herpes virus -1 (BHV-1) in individual serum or plasma and milk (individual, buljk or condensed milk samples) samples of bovine of cattle (96 wells)	6 plates/ pack	10
749	VBM -77	Kits - ELISA- Leptospira interrogans serovar hardjo	It should detect antibodies against the Leptospira interrogans serovar hardjo in serum and milk of cattle (96 wells)	5 plates/ pack	2
750	VBM -78	Kits - ELISA- PPR Antibody detection	It should detect antibodies against the Peste des Petitis Ruminants (PPR) virus in serum and plasma from shweep, goats and other susceptible species by competitive ELISA. 96 wells	5 Plates/ Pack	4
751	VBM -79	Kits - ELISA-Chlamydia Antibody detection	It should be rapid sensitive and speic Test for detecting antibodies against Chlamydiaophila abortus (C.abortus) in serum & Plasma samples of ruminants. 96 wells ,	2 plates/ pack	10
752	VBM -80	Kits - ELISA-IP M.Paratuberculosis (Johnes disease) Antibody detection	It should detect speic antibodies in bovine sera plasma and milk samples & small ruminants serum, plasma samples against Mycobacteria Paratuberculosis. 96 well.	5 plates/ pack	10
753	VBM -81	Kits - ELISA-PPR Antigen detection	Sandwich ELISA for detection of Peste des Petitis Ruminants (PPR) virus in live animals or for post mortem diagnosis 96 wells	2 Plates / Pack	2
75	VBM	kits Biochemical for fully	For estimation of serum AST Aspartate	12	15

4	-82	automatic biochemical analyzer for serum AST	Aminotransferase by Idexx fully automatic biochemical analyser 12 Slides / Box	slides/ box	
755	VBM -83	kits Biochemical for fully automatic analyser for serum Total Proteins	For estimation of serum Total Protein by Idexx fully automatic biochemical analyser 12 Slides / Box	12 slides/ box	15
756	VBM -84	kits Biochemical for fully automatic analyser serum Urea Nitrogen	For estimation of serum BUN Urea by Idexx fully automatic biochemical analyser 12 Slides / Box	12slides/box	15
757	VBM -85	kits Biochemical for fully automatic biochemical analyzer for serum albumin	For estimation of serum albumin estimation compatible to fully automatic analyzer (idexx) (12 test kit)	12 slides/ box	15
758	VBM -86	kits Biochemical for fully automatic biochemical analyzer for Alkaline Phosphatase	For estimation of serum Alkaline Phophotase,by Idexx fully automatic biochemical analyser 12 Slides / Box	12 slides/ box	15
759	VBM -87	kits Biochemical for semi automatic biochemical analyzer for serum Bilirubin	For estimation of serum Bilirubin, kinetic / end point estimation compatible to semi auto analyszer (120 test kit)	kit(120 tests)	50
760	VBM -88	kits Biochemical for semi automatic biochemical analyzer for serum Calcium test	For estimation of serum Calcium, end point estimation compatible to semi auto analyszer (100 test kit)	100 test kit	50
761	VBM -89	kits Biochemical for semi automatic biochemical analyzer for serum Creatinine	For estimation of serum Creatinine, jaffes method, Initial rate compatible to semi auto analyszer (120 test kit)	kit(120 tests)	50
762	VBM -90	Kits Biochemical for serum Bilurubin fully automatic analyzer	For estimation of serum Bilurubin estimation compatible to fully automatic analyzer (idexx) (12 test kit)	12 slides/ box	15
763	VBM -91	kits Biochemical for serum Creatinine fully automatic analyser (idexx)	For estimation of serum Creatinine estimation compatible to fully auto analyszer (12 test kit)	12 slides/ box	15
764	VBM -92	Kits Biochemical for serum Inorganic Phophorus for semi	For estimation of serum Inorganic Phosphorus , kinetic / end point estimation compatible to semi	100 test kit	50

		automatic biochemical analyzer	auto analyszer (100 tests)		
765	VBM-93	kits Biochemical for serum Inorganic Phophorus fully automatic analyser (idexx)	For estimation of serum Inorganic Phosphorus estimation compatible and fully automatic analyzer (idexx) 12 test kit)	12 slides/ box	15
766	VBM-94	kits Biochemical for for fully automatic biochemical analyzer for serum ALT	For estimation of serum ALT Alanine Aminotransferase by Idexx fully automatic biochemical analyser 12 Slides / Box	12 slides/ box	15
767	VBM-95	kits Biochemical for semi automatic biochemical analyzer for serum Glucose test	For estimation of serum Glucose, end point estimation compatible to semi auto analyszer (300 test kit)	300 test kit)	25
768	VBM-96	Kits Biochemical for serum Calcium fully automatic analyser (idexx)	For estimation of serum Calcium estimation compatible to fully automatic analyzer (idexx) (12 test kit)	12 slides/ box	15
769	VBM-97	kits Biochemical for serum Magnesium - For fully automatic analyser (idexx)	For estimation of serum Magnesium by Idexx fully automatic biochemical analyser 12 Slides / Box	12 slides/ box	15
770	VBM-98	Kits -Lateral flow Brucella anti body detection	A lateral flow immunochromatographic assay for the qualitative detection of brucella specific antibodies in whole blood/ sera/ plasma.	10 Test/kit	25
771	VBM-99	Kits-All Prep DNA/RNA Mini Kit (50)	Containing DNA Spin Columns, RNeasy Mini Spin Columns, Collection Tubes, RNase-Free Water and Buffers	50Rxns /kit	10
772	VBM-100	Kits-Comprehensive vector-borne disease screening test	Rapid test kit for diagnosis of Heartworm disease, ehrlichiosis, Lyme disease, and anaplasmosis - 30tests	30 tests/kit	10
773	VBM-101	Kit-Zeiss Lens care Kit	Should contain Zeiss microscope lens cleaning solutions, Zeiss lens cleaning wipes	Single	2
774	VBM-102	Laboratory gloves/ Nitrile gloves	Size: Large/Medium/small, very small, powder free, puncture resistant, disposable, Material : Polymer nitrile, certifications ISO9002, ASTM D3578, D6319, GPM, Color: Purple/Blue/Cream, Certification:	100/pack	100

			ISO9002, ASTM D 3578, D6319, GPM, ambidextrous coating material. textured finger glove cuff style Beaded/ rolled , Latex free , thickness :4mil		
775	VBM-103	Lyse for Semi Automatic Hematology analyzer	Reagents suitable for semi automatic haematology analyzers lyse mindray	500 ml /bottle	5
776	VBM-104	Mac master egg counting Chamber (glass)	Evaluate Egg per gram in a given feacal / dung specimen.	Single	20
777	VBM-105	MagaZorb DNA mini-prep kit	should be suitable for whole blood, milk, cultured cells, tissue (frozen or formalin-fixed paraffin-embedded), saliva, urine, stool, hair, buccal swabs and vaginal swabs, should be based on magnetic bead based method, proteinase K should be component of the kit	800 preps	3
778	VBM-106	Marker pen with narrow tungsten carbide tip	tungsten carbide tip,	5/pk	3
779	VBM-107	Micro pipette - single channel 100 – 1,000 µl	single channel 100 – 1,000 µl with Quick and secure volume setting, Spring Loaded Tip Cone for connecting TIPS very tightly, adjustment window for adjusting pipette to a specific liquid. Control Button with very low operating force, Color indication for pipette volume. 4 Digits volume display with magnifier. Piston with thermal, mechanical and chemical stability anto anticorrosive. serial number printed on multiple components of the pipette, Easy to remove lower part for cleaning pipette, Fully Autoclavable, withstand UV irradiation without discoloration, 3 Years Warranty, certification for calibration and thermal stability	Single	5
780	VBM-108	Micro pipette single channel 0.5 – 10 µl,	single channel 0.5 – 10 µl, with Quick and secure volume setting, Spring Loaded Tip Cone for	Single	10

			connecting TIPS very tightly, adjustment window for adjusting pipette to a specific liquid. Control Button with very low operating force, Color indication for pipette volume. 4 Digits volume display with magnifier. Piston with thermal, mechanical and chemical stability anto anticorrosive. serial number printed on multiple components of the pipette, Easy to remove lower part for cleaning pipette, Fully Autoclavable, withstand UV irradiation without discoloration, 3 Years Warranty, certification for calibration and thermal stability		
781	VBM-109	Micro pipette single channel 2–20 µl	single channel 2– 20 µl with Quick and secure volume setting, Spring Loaded Tip Cone for connecting TIPS very tightly, adjustment window for adjusting pipette to a specific liquid. Control Button with very low operating force, Color indication for pipette volume. 4 Digits volume display with magnifier. Piston with thermal, mechanical and chemical stability anto anticorrosive. serial number printed on multiple components of the pipette, Easy to remove lower part for cleaning pipette, Fully Autoclavable, withstand UV irradiation without discoloration, 3 Years Warranty, certification for calibration and thermal stability	Single	5
782	VBM-110	Micro pipette single channel 30 – 300 µl	single channel 30 – 300 µl with Quick and secure volume setting, Spring Loaded Tip Cone for connecting TIPS very tightly, adjustment window for adjusting pipette to a specific liquid. Control Button with very low operating force, Color indication for pipette volume. 4 Digits volume display with magnifier. Piston with thermal, mechanical and	Single	5

			chemical stability anto anticorrosive. serial number printed on multiple components of the pipette, Easy to remove lower part for cleaning pipette, Fully Autoclavable, withstand UV irradiation without discoloration, 3 Years Warranty, certification for calibration and thermal stability		
783	VBM-111	Micro pipette multi channel 0.5 - 10µl	multi channel 0.5 - 10µl. with Quick and secure volume setting, Spring Loaded Tip Cone for connecting TIPS very tightly, adjustment window for adjusting pipette to a specific liquid. Channels amenable for adjusting the distance between channels to use it for different format like 24 well plate, 6 well plate, etc, Control Button with very low operating force, Color indication for pipette volume. 4 Digits volume display with magnifier. Piston with thermal, mechanical and chemical stability and made of anticorrosive material. Serial number printed on multiple components of the pipette, Easy to remove lower part for cleaning pipette, Fully Autoclavable, withstand UV irradiation without discoloration, 3 Years Warranty, certification for calibration and thermal stability	Single	5
784	VBM-112	Micro pipette multi channel 10 - 100µl	multi channel 10 - 100µl with Quick and secure volume setting, Spring Loaded Tip Cone for connecting TIPS very tightly, adjustment window for adjusting pipette to a specific liquid. Channels amenable for adjusting the distance between channels to use it for different format like 24 well plate, 6 well plate, etc, Control Button with very low operating force, Color indication for pipette volume. 4 Digits volume display with magnifier. Piston with	Single	5

			thermal, mechanical and chemical stability and made of anticorrosive material. Serial number printed on multiple components of the pipette, Easy to remove lower part for cleaning pipette, Fully Autoclavable, withstand UV irradiation without discoloration, 3 Years Warranty, certification for calibration and thermal stability		
785	VBM-113	Micro pipette multi channel 30-300µl	multi channel 30- 300µl with Quick and secure volume setting, Spring Loaded Tip Cone for connecting TIPS very tightly, adjustment window for adjusting pipette to a specific liquid. Channels amenable for adjusting the distance between channels to use it for different format like 24 well plate, 6 well plate, etc, Control Button with very low operating force, Color indication for pipette volume. 4 Digits volume display with magnifier. Piston with thermal, mechanical and chemical stability and made of anticorrosive material. Serial number printed on multiple components of the pipette, Easy to remove lower part for cleaning pipette, Fully Autoclavable, withstand UV irradiation without discoloration, 3 Years Warranty, certification for calibration and thermal stability	Single	5
786	VBM-114	Micro pipette Single channel 0.1 – 2.5 µl	Single channel 0.1 – 2.5 µl with Quick and secure volume setting, Spring Loaded Tip Cone for connecting TIPS very tightly, adjustment window for adjusting pipette to a specific liquid. Control Button with very low operating force, Color indication for pipette volume. 4 Digits volume display with magnifier. Piston with thermal, mechanical and chemical stability anto anticorrosive. serial number	Single	5

			printed on multiple components of the pipette, Easy to remove lower part for cleaning pipette, Fully Autoclavable, withstand UV irradiation without discoloration, 3 Years Warranty, certification for calibration and thermal stability		
787	VBM-115	Micro Plates Flat bottom	Plates having flat bottom wells 96 (wells) disposable type	50/pack	5
788	VBM-116	Micro Plates U bottom	96 well, U Bottom plates for HA and HI Tests ,50/pack	50/pack	5
789	VBM-117	Micro Tip Box with 1000µl microtips	To keep 1000 ul Micro tips, Autoclavable, 10/pack, 96 places,RNAse,DNAse,Protease free	Pack of 1000	2
790	VBM-118	Micro Tip Box with 200µl microtips	To keep 20 to 200 ul Micro tips, Autoclavable, 10/pack, 96 places,RNAse,DNAse,Protease free	10/pack	50
791	VBM-119	Micro Tips 0.1 - 20 µl	Made of Medical grade polypropylene, autoclavable, beveled orifices for total sample recovery, free of lubricants, dyes and heavy metals.Certified DNase, RNase free.	1000 pcs/pack	442
792	VBM-120	Micro Tips 10 ml	Made of Medical grade polypropylene, autoclavable, beveled orifices for total sample recovery, free of lubricants, dyes and heavy metals.Certified DNase, RNase free.	1000 pcs/ pack	375
793	VBM-121	Micro Tips 100-1000 µl	Made of Medical grade polypropylene, autoclavable, beveled orifices for total sample recovery, free of lubricants, dyes and heavy metals.Certified DNase, RNase free.	1000 pcs/ pack	50
794	VBM-122	Micro Tips 20-200 µl	Made of Medical grade polypropylene, autoclavable, beveled orifices for total sample recovery, free of lubricants, dyes and heavy metals.Certified DNase, RNase free.	1000 pcs/pack	5
795	VBM-123	Micro Tips 5 ml	Made of Medical grade polypropylene, autoclavable, beveled orifices for total sample recovery, free of	1000 pcs/pa	579

			lubricants, dyes and heavy metals.Certified DNase, RNase free.	ck	
796	VBM-124	Microscope slide labels	Self adhesive, water proof, paper labels. Should resist chemicals and should not smear, fade or fall off when exposed to chemicals and solvents typically used in the lab for cleaning	1000/pack	1500
797	VBM-125	Microscopic slide tray	Holds upto 20 standard microscopic slides at an angle	Single	50
798	VBM-126	Microcentrifuge tubes-0.6ml	clear micro centrifuge tubes Low retention, PP made, 0.6ml capacity, 1000/pk	1000/pack	10
799	VBM-127	Microcentrifuge tubes-1.5mI	clear micro centrifuge tubes PP made, 1.5 ml capacity 500/pk	500/pack	474
800	VBM-128	Mortor and pestle	made of stone, ceramic	Single	25
801	VBM-129	Multipurpose labeling tape	Autoclavable, adhesive to dry surface like glass, plastic & rubber, Size: 75x500 inches	single	500
802	VBM-130	N - 95 Particulate Respirator	NIOSH approved N-95 filtering face piece particulate respirator for NON-OIL applications. Efficiency at least 95% filtration efficiency against solid and liquid aerosols that donot contain oil. TC -84 A - 007, head bands welded eye bands (dual) Cup Shaped, Adjustable nose clip, Maintenance free compatible with other PPE like eyeware, head gear, ear protection etc.	20/pack	1000
803	VBM-131	Neutral Glass vials with rubber bung, Aluminum seal and label	Tubular, 2 ml neutral glass vials, USP type1 with double slit bromobutyl rubber bungs, coloured aluminium caps and printed roller label stickers and polythene covers with VBRI emblem size (26 x 16 Cms)	Single	4
804	VBM-132	Oligo nucleotides	single nucleotide A or T or G or C	Single	20

805	VBM-133	Para film M - 25	Universal, semi-transparent, highly elastic film designed for airtight and moisture-proof sealing and should stretch up to 200% and fors a completely tight seal even with irregular shapes and areas.Resistant to polar substances such as saline solutions, inorganic acids and alkalis for up to 48 hours. Effective temperature range −45 to +50 °C	Single	10
806	VBM-134	Pasteur pipettes	sterile individually packed, 3ml volume capacity	100/pk	10
807	VBM-135	Pasteur Pipette plastic-non sterile 3mI	Plastic-non sterile,3ml, one piece, polyethylene plastic made,Pack of 100	01 nos	117
808	VBM-136	PCR mix	Emerald Amp HS PCR mix	160 Rxns	20
809	VBM-137	PCR mix for dye based qPCR	TB Green® Advantage® qPCR Premix	200 Rxns	3
810	VBM-138	PCR mix for probe based qPCR	Premix extaq probe qPCR Rox plus	200 Rxns	3
811	VBM-139	PCR tubes 0.2 ml	For use with all thermal cyclers with 0.2 mL block format, certified free of DNA, DNase, RNase and PCR inhibitors, Tight sealing cap, Easy to open,	1000/pack	10
812	VBM-140	Perfringens Agar Base	For isolation of Clostridium perfringens selectively and for culture maintenance	500gm	1
813	VBM-141	petri dishes-3 compartment	Sterile,disposable - 3 compartment,100 x 15mm	10/pack	24
814	VBM-142	Petri dishes - disposable	Sterile-trivent-disposable,100 x 15mm	10/pack	24
815	VBM-143	PH indicator paper booklets	2.0 to 5.0, 4.0 to 8.0, 9.0 to 14.0, 2.0 to 10.5 (Assorted),10 no. pack booklet	Single	150

816	VBM-144	Pipette Stand	Stand to hold 5 Micro pipettes	Single	7
817	VBM-145	Pipettes for Sahlis Hemo globino Meter	20 µl with PVC connector and mouth piece.,11 tubes set.Can be used for estimation of hemoglobin in multiple blood samples. 20 µl	Single	2
818	VBM-146	Plastic Conical test tubes	Centrifuge tube, plastic make, 15ml	Single	50
819	VBM-147	Plastic specimen collection containers-250ml	Tightly screw capped bottles for collection of Toxicological specimens -250ml	Single	50
820	VBM-148	Plastic specimen collection containers-500ml	Tightly screw capped bottles for collection of Toxicological specimens - 500ml	Single	50
821	VBM-149	Plastic trays with Side walls	Made by HDPE plastic, 65 cm x 45 cm x 21 cm (LXWXH) with handle	Single	10
822	VBM-150	Polythene Covers (Thick) for packing of sera sample vials	10"x 12" size for packing of 200 sera samples	1 kg	5
823	VBM-151	PPE - Disposable	Components, 1 Dangri, Disposable free size full sleeves made up of non woven fabrics (spun bonded, poly propylene material not less than 90 gsm) cuff with with elastics, zipper infronr hood attached covering sides of face and neck.2. House gloves: disposable ISI mark size No. 10 shoe cover disposable made up of polyester woven fabric with protective rubber coating preferably teroron, with thick paded foot base and can be used in field conditions. Disposable protective glasses. disposable with clear glasses '0' power Eye fitting with elastic bend holder 5. Mask: simple surgical mask with nose piece.6. the kit must be disinfected by gamma irradiation and irradiation certificate produced at the time of supply.	Single	1000
82	VBM	prefilters	Glass fibre prefilter for filtration of medium 47 mm	100/pa	2

4	-152		diameter	ck	
825	VBM-153	Probe cleaser for Semi Automatic Hematology analyzer	Reagents suitable for semi automatic haematology analyzers Probe cleanser -Mindray	50 ml x4 /pack	6
826	VBM-154	qPCR Plates	MicroAmp Optical 96 well reaction plate with barcode, PCR compatible DNA/RNA/RNAse free made by Applied Biosystems for Applied Biosystems Real Time PCR machine (Quantstudio 5)	20 plates	5
827	VBM-155	qPCR Plates adhesive films	MicroAmp Optical Adhesive Film reduces well-to-well contamination and sample evaporation compatible to microAmp optical 96well reaction plate with barcode made by Applied Biosystems for Applied Biosystems Real Time PCR machine (quantstudio 5)	100 covers	5
828	VBM-156	Reagent strip for Urine analysis	Urobilinogen,Bilurubin,Ketone,Blood,Protein,Nitrite, leucocytes,Glucose, specific gravity and PH.	One Tin (100 strips)	500
829	VBM-157	Rinse for Semi Automatic Hematology analyzer	Reagents suitable for semi automatic haematology analyzers Rinse -Mindray	20L	5
830	VBM-158	Rnase Zap	Cleaning agent for removal of Rnase, 250ml	250 ml	5
831	VBM-159	Sealant	Silicon make	Single	25
832	VBM-160	Slide box storage rack	Box type rectangular transparent plastic rack with pullout lids with 6 chambers to accommodate slide boxes.	single	15
833	VBM-161	Slide Storage Box	Slide storage - 50 slides, Material polypropelene	Single	200
834	VBM-162	SOP display boards - Wall mounted	SS make Aluminium Frame, 1.5x2 Feet	Single	100

835	VBM-163	Spatula	6" length, made of stainless steel	Single	50
836	VBM-164	Stabiflexiloop plus- 2	sterile, calibrated loop with streaker or stabber tip size 2.0mm diameter, calibrated to 0.005ml, individually sealed	100/pk	5
837	VBM-165	Steam process indicator strips	Geobacillus Stearothermophilus Biological Indicator Strip for steam sterilization; 10^6 spores per strip; Storage - Store below 30°C	Single	30
838	VBM-166	sterile cotton swabs	individually sealed, with wooden stick, 150x2.5mm	100/pk	2000
839	VBM-167	Sterile disposable pipettes-10ml	10 ml capacity Sterile individually packed, gamma irradiated, nonpyrogenic, non haemolytic and noncytotoxic.	Single	50
840	VBM-168	Sterile disposable pipettes-5ml	5 ml capacity Sterile individually packed, gamma irradiated, nonpyrogenic, non haemolytic and noncytotoxic.	Single	50
841	VBM-169	Storage (Cryo) vials 2ml	2ml, Polypropylene,sterile self standing,withstand temperature of -192 degree celsius	1000/pack	15
842	VBM-170	Storage vials	20ml capacity with screw cap and rubber lining,Polypropylene, Autoclavable	500/pack	15
843	VBM-171	Strip cup for mastitis test	Plastic strip cup with black plastic screen for easy identification of any flakes or clots of abnormal milk. Approx. 4 3/4 inches tall x 6 1/4 Outer diameter. Washes easily with warm water or throw it in your wash sink and wash it with the pipeline.	single	50
844	VBM-172	Super Sensitive ™ Polymer – HRP IHC Detection kit	1.Ready to use 2. for 60 slides. 3.Contains Peroxide block - 6ml; Power Block- 6ml, Super Enhancer TM Reagent -6ml; Poly HRP Reagent 6ml; DAB (Diaminobenzodine) Chromogen 1ml; stable DAB Buffer 10ml, Mouse negative control 3ml; Rabbit negative control 3ml; Hematoxylin 6ml	single	1

845	VBM-173	Syringe Disposable 2ml with Needle	2 ml with needle, 24 G	single	200
846	VBM-174	Test tube box with cap 96 well	Polypropylene , 96 well reversible PCR and microcentrifuge tube racks	single	20
847	VBM-175	Test tube holders	Wooden handle with iron grip	Single	50
848	VBM-176	Test tube stand 80 well	Polypropylene , 80 well reversible PCR and microcentrifuge tube racks	single	30
849	VBM-177	Test tube stand for 15 ml centrifuge vials	Polypropylene to hold 15- 30 tubes	single	10
850	VBM-178	Thermo Conductive Rack 1.5 ml and PCR tubes	These racks can be used in Mini Coolers or Ice Bucket and Tray, 1.5ml tubes and PCR tubes or strips	Single	5
851	VBM-179	Thermo Conductive Rack 1.5ml	These racks can be used in Mini Coolers or Ice Bucket and Tray,24 Microtube 1.5ml.	Single	5
852	VBM-180	Thermo Conductive Rack 1.8ml	These racks can be used in Mini Coolers or Ice Bucket and Tray,24 Cryovial 1.8ml.	Single	5
853	VBM-181	Thermo Conductive Rack, PCR tube or plate	These racks can be used in Mini Coolers or Ice Bucket and Tray,96 PCR tubes or strips or plate	Single	5
854	VBM-182	Thermo hygrometer - Digital	With DIGITAL display Material - Durable Hard Plastic. Temperature range: -10℃~+50℃. , Humidity range: 10%~99%RH Accuracy: temperature: ± 1℃(1.8℉), humidity: ± 5%RH (40%~80%) , Storage condition: -20℃~60℃, 20~80%RH. Amenable for wall hanging and desk top placing	Single	10
855	VBM-183	Thermocol boxes - large	size:45cmX30cmx30cm	Single	30
856	VBM-184	Thermocol boxes -small	size: 15cmx 15cmx15cm	Single	30

857	VBM-185	Thermometer - Freezer	Monitor Temperature inside freezer,Set freezer range -9.5 degrees -23 degrees, refrigerator range 2degrees to 8 degrees,136 x19 x28mm, with probe cable, Moniter temprature insight freezer with the added convenience of sound and flashing LED lights to alert out of range temperature	Single	2
858	VBM-186	Tissue culture bottles 75 sq cm	75 Sq.cm Sterilized nonreactive, nontoxic to cell lines and culture media. Disposable	5/ pack	30
859	VBM-187	Tissue culture flask 25 sq cm	25 Sq.Cm, Sterile nonreactive, nontoxic to cell lines and culture media. Disposable	10/ pack	50
860	VBM-188	Tissue paper rolls " inches X5 inches	2 ply Tissue rolls used for laboratory instruments cleaning. unembossed and plain. 400Pulls roll. 15 GSM.	Single	34
861	VBM-189	TLC plates	60 F254, 25 Aluminium sheets 20 X 20 Cms	25/pack	1
862	VBM-190	Tongs Big size	10 inches made of stainlesssteel	Single	20
863	VBM-191	Tongs Small size	6 inches made of stainlesssteel	Single	20
864	VBM-192	Tripod for Bunsen burner	With a wire mesh for effective heating on low flame.	Single	25
865	VBM-193	Tubes centrifuge with screw cap	Autoclavable graduated overflowing capacity: 15 ml Suitable to store at -20^{0}C, poly propylene made	100/pack	500
866	VBM-194	Utility trays	Size 320x260x70mm, 6/pack, polypropylene transparent	Single	5
867	VBM-195	UV cabinet with short and long wave lengths	Fitted with short wave length 254mm & long wave length 365mm UV tubes and Fluoroscent tube 256 X 356 mm	Single	5
868	VBM-196	Vaccine Carriers-1.6 Ltrs Capacity	Vaccine carrier,Large, Long range vaccine storage capacity 1.6 litres with 35 hrs cold life	single	200
86	VBM	Vacutainer with needle and	Blood collection tubes BD with EDTA anticoagulant	100/pk	50

9	-197	holder- **with EDTA** Anti Coagulant 2 ml	- 2 ml(Double cap) with 5 Hubs		
870	VBM -198	Vacutainer with needle and holder- **with Heparin** Anti Coagulant 2 ml	Blood collection tubes BD with Heparin anticoagulant - 2 ml(Double cap) with 5 Hubs	100/pack	50
871	VBM -199	Vet Test Pipette Tips	for veterinary use only and for use with vettest IIDEXX analyzers only.	500 tips/pack	2
872	VBM -200	Viral DNA/RNA purification kit	Magnetic bead based, compatible for insta NX Mag 32	32X10 samples	10
873	VBM -201	Wall mount SS-304 rack	Made of Stainlesssteel -304 grade wall mount rack with glass view doors with adjustable interior 1-2 partition racks, dimensions 90X30X60CM, with installation	single	50
874	VBM -202	Waring blender with cap (large and small)	Waring commercial,GMP laboratory compliant with 1 lt and 3 lts capacity jars with RPM digital display.Switch settings 3 speed OFF, LOW, MED, HIGH PULSE. Rrpm upto 20,000;, Rating: 120volts-60hz single PhaseAC(~)-15.0 Amps. 220-240 volts-50-60HZ-Single phase AC(~)-1500 Watts. Container:Stainless steel with stainless steel blades-clear polycarbonate clamp-on lid with gasket and stopper. Bearing: High performance ball bearing. Cord: 7 foot (2.44m) three conductor ground cord with strain relief in base.Timer: Adjustable from 1 to 30 minutes Operating cycle 3 minutes ON/1min Off, 3 years Manufacturers warranty	Single	1
87	VBM	Waring blender with cap	Waring commercial 3 lts capacity and 0.5 lit	Single	1

5	-203	(large and small)	capacity		
876	VBM -204	Wash bottles 500ml	squeeze bottle with a nozzle, used to rinse various pieces of laboratory glassware	single	50
877	VBM -205	Weighing boats Medium size	Polysterene Anti-Static, Disposable Weighing Dishes standard square for weighing chemicals	100/pack	4
878	VBM -206	Zinc oxide Adhesive tape	Zinc oxide adhesive cotton tape. Pressure-sensitive adhesive tape. Size: 10cmx8m. Used for sealing ELISA plates	single	15

GOPAL KRISHNA DWIVEDI
SPECIAL CHIEF SECRETARY TO GOVERNMENT (FAC)